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Dental Accessories

Service and Parts Manual

Dental Accessories

FOR USE BY MIDMARK
TRAINED TECHNICIANS ONLY

SF-1773

Part No. 004-0268-00 Rev. C (1/01/04)

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(*) Indicates that there has been a serial number break for the illustration and that there are additional point page(s) following the original page.

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ACCESSORY
PARTS LIST

1.1 Introduction

The illustrated parts list provides information for identifying and ordering the parts necessary to maintain the unit in peak operating condition. Refer to paragraph 1.5 for parts ordering information.

1.2 Description of Columns

The Item column of the parts list gives a component its own unique number. The same number is given to the component in the parts illustration. This allows a part number of a component to be found if the technician can visually spot the part on the illustration. The technician simply finds the component in question on the illustration and notes the item number of that component. Then, he finds that item number in the parts list. The row corresponding to the item number gives the technician the part number, a description of the component, and quantity of parts per subassembly. Also, if a part number is known, the location of that component can be determined by looking for the item number of the component on the illustration.

The Part No. column lists the MIDMARK part number for that component.

The Description column provides a physical description of the component.

The Qty. column lists the number of units of a particular component required for the subassembly. The letters “AR” denote “as required” when quantities of a particular component cannot be determined, such as: adhesive.

Bullets { • } in the Part No. column and the Description column show the indenture level of a component. If a component does not have a bullet, it is a main component of that illustration. If a component has a bullet, it is a subcomponent of the next component listed higher in the parts list than itself that does not have a bullet. Likewise, if a component has two bullets, it is a subcomponent of the next component listed higher in the parts list than itself that has only one bullet.

1.3 Torque Specifications and Important Assembly Notes

When specific assembly torque specifications, measurements, or procedures have been identified, by our engineering department, as required to assure proper function of the unit, those torque specifications measurements, and procedures will be noted on the parts illustrations. Adherence to these requirements is essential.

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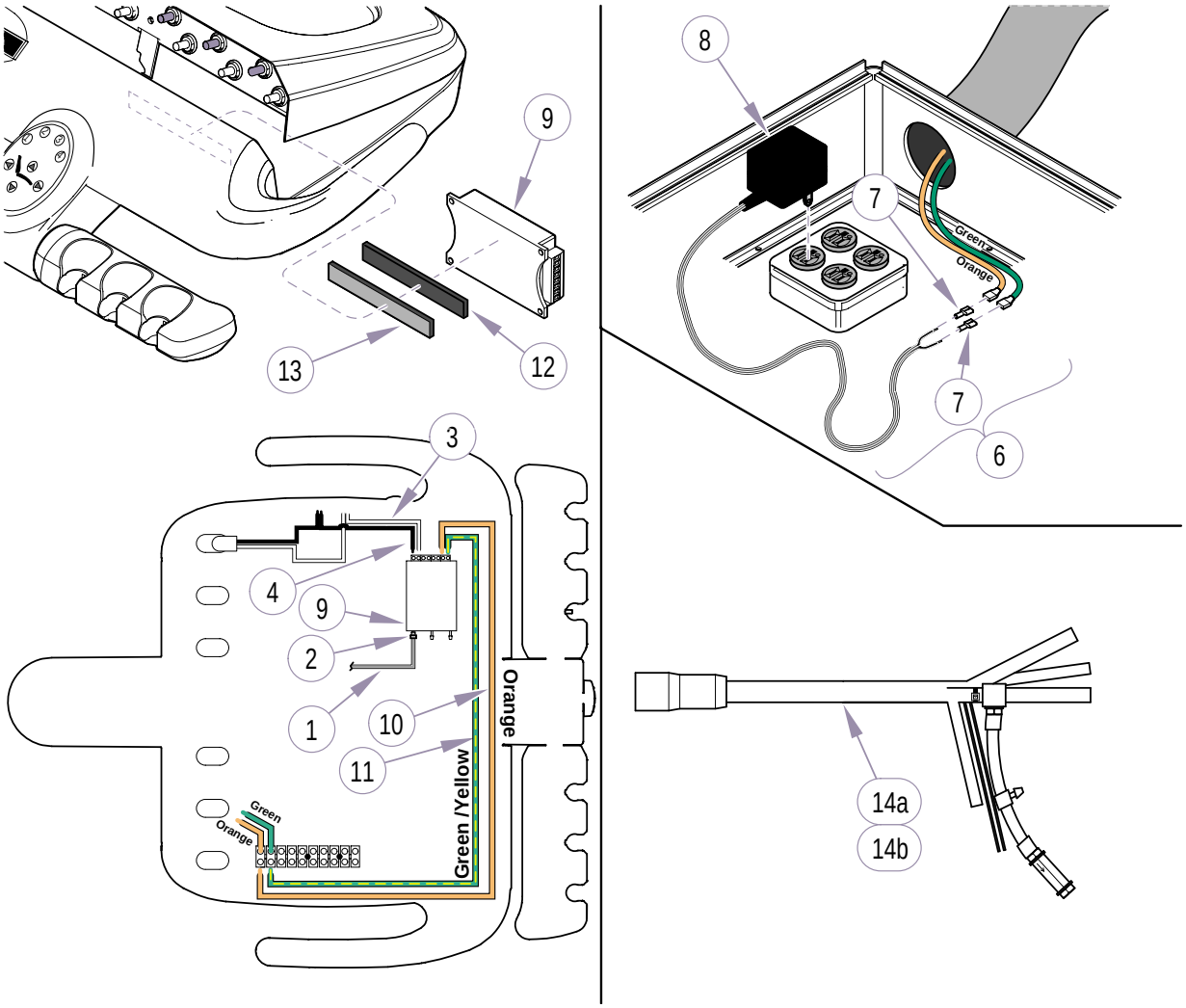
Handpiece Illumination System
[for ProCenter Units]
(153630 / -001 & -003)



NOTE:
Handpiece tubing *(item 14a or 14b)* is not included with 153630-00x. Must be ordered separately.

KA976701i

Item	Part No.	Description	Qty
	153630-001	Handpiece Illumination System - 120 V (includes items 1 thru 5)	Ref
	153630-003	Handpiece Illumination System - 230 V (includes items 1 thru 5)	Ref
1	• 177529	• Tubing, 1/8" clear	1
2	• 117479	• Uni-clamp	1
3	• 176397	• Wire, 18 Gauge - white	2
4	• 176396	• Wire, 18 Gauge - black	2
5	•	• Power Pack Module Assy - ***not shown*** (incl. items 6 thru 13):	
	029-2635-00	*120 V*	1
	029-2635-01	*230 V*	1
6	• •	• • Transformer Assy (incl. 7 & 8):	
	002-0677-00	*120 V*	1
	002-0677-01	*230 V*	1
7	• • • 015-0315-18	• • • Terminal	2
8	• • •	• • • Variable System Transformer:	
	015-1481-00	*120 V*	1
	015-1525-00	*230 V*	1
9	• • 015-1480-00	• • Variable Output Power Pack	1
10	• • 176398	• • Orange Wire	1
11	• • 177118	• • Green/Yellow Wire	1
12	• • 053-0105-33	• • Velcro Loop	1
13	• • 053-0131-31	• • Velcro Hook	1
14a	029-2633-00	Handpiece Tubing, w/lamp (lamp ***is*** part of tubing)	(AR)
14b	029-2605-00	Handpiece Tubing, ISO-C (Lamp ***is not*** part of tubing)	(AR)

For complete breakdown of handpiece tubing, refer to: Midmark Delivery Systems Service & Parts Manual (004-0282-00).

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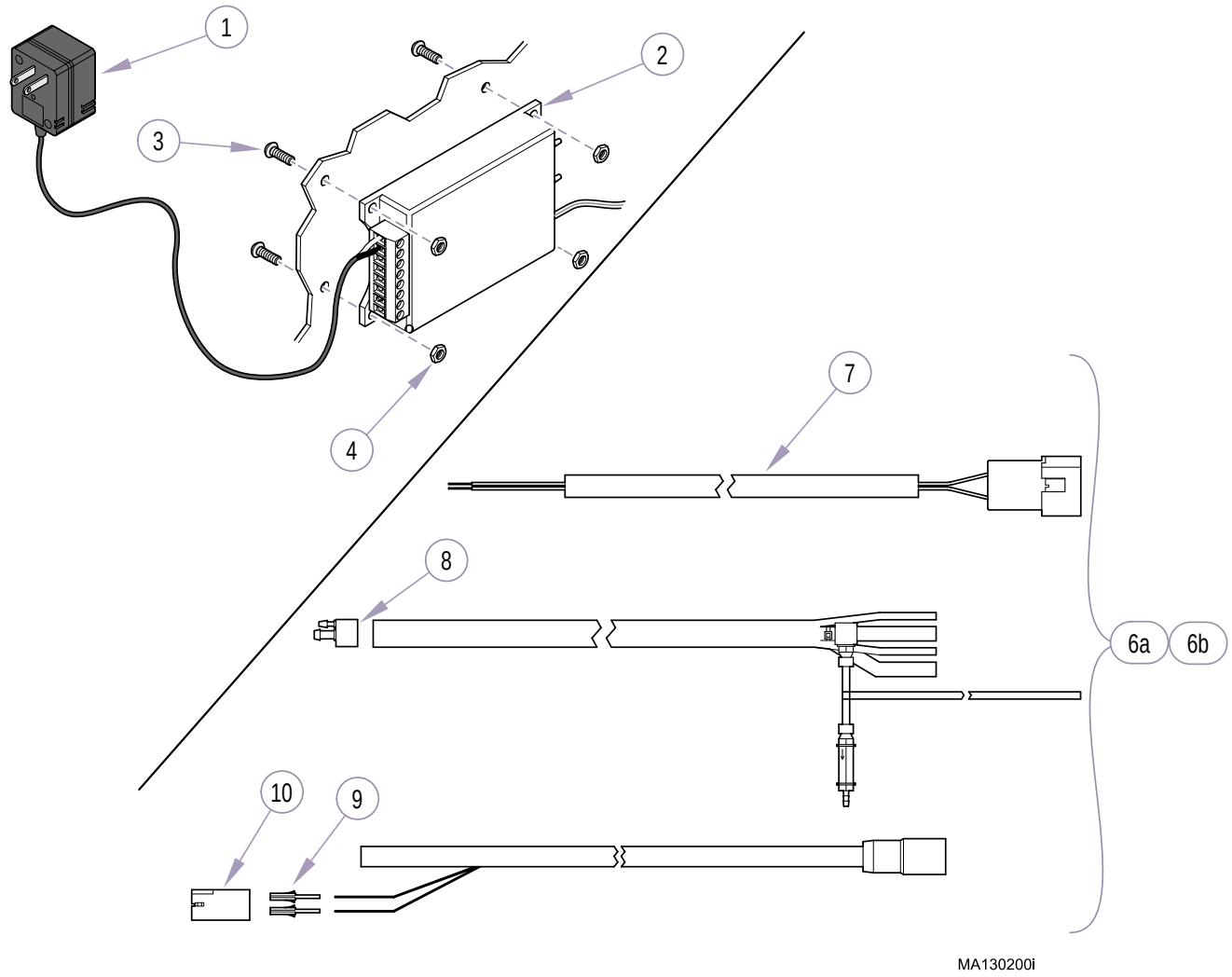
Handpiece Illumination System
[for Freestanding Casework Mtd. Units]
(153630 / -006 & -007)

ACCESSORY PARTS LIST



MA130200i

NOTE:
Handpiece tubing *(item 6a or 6b)* is not included with 153630-00x. Must be ordered separately.

KA976701i

Item	Part No.	Description	Qty
	153630-006	Handpiece Illumination System - 120 V *(includes items 1 thru 5)*	Ref
	153630-007	Handpiece Illumination System - 230 V *(includes items 1 thru 5)*	Ref
1	•	• Transformer:	
	015-1481-00	*120 V*	1
	015-1525-00	*230 V*	1
2	• 015-1480-00	• Power Pack	1
3	• 040-0006-98	• Screw *(old-style units - w/nuts)*	4
	• 040-0010-109	• Screw *(new-style units - w/o nuts)*	2
4	• 041-0006-01	• Nut *(old-style units only)*	4
5	• 102308	• Cable Tie (not shown)	10

Item	Part No.	Description	Qty
6a	029-3057-01	Handpiece Tubing, w/lamp [Lamp *is* part of tubing] *(includes items 7 thru 10)*	(AR)
6b	029-3057-00	Handpiece Tubing, ISO-C [Lamp *is not* part of tubing] *(includes items 7 thru 10)*	(AR)
7	• 015-1588-00	• Wiring Harness	1
8	• 016-0920-00	• Tubing Connector	1
9	• 015-1538-00	• Terminal	2
10	• 103167	• Wire Connector	1
	For complete breakdown of handpiece tubing, refer to: Midmark Delivery Systems Service & Parts Manual (004-0282-00).		

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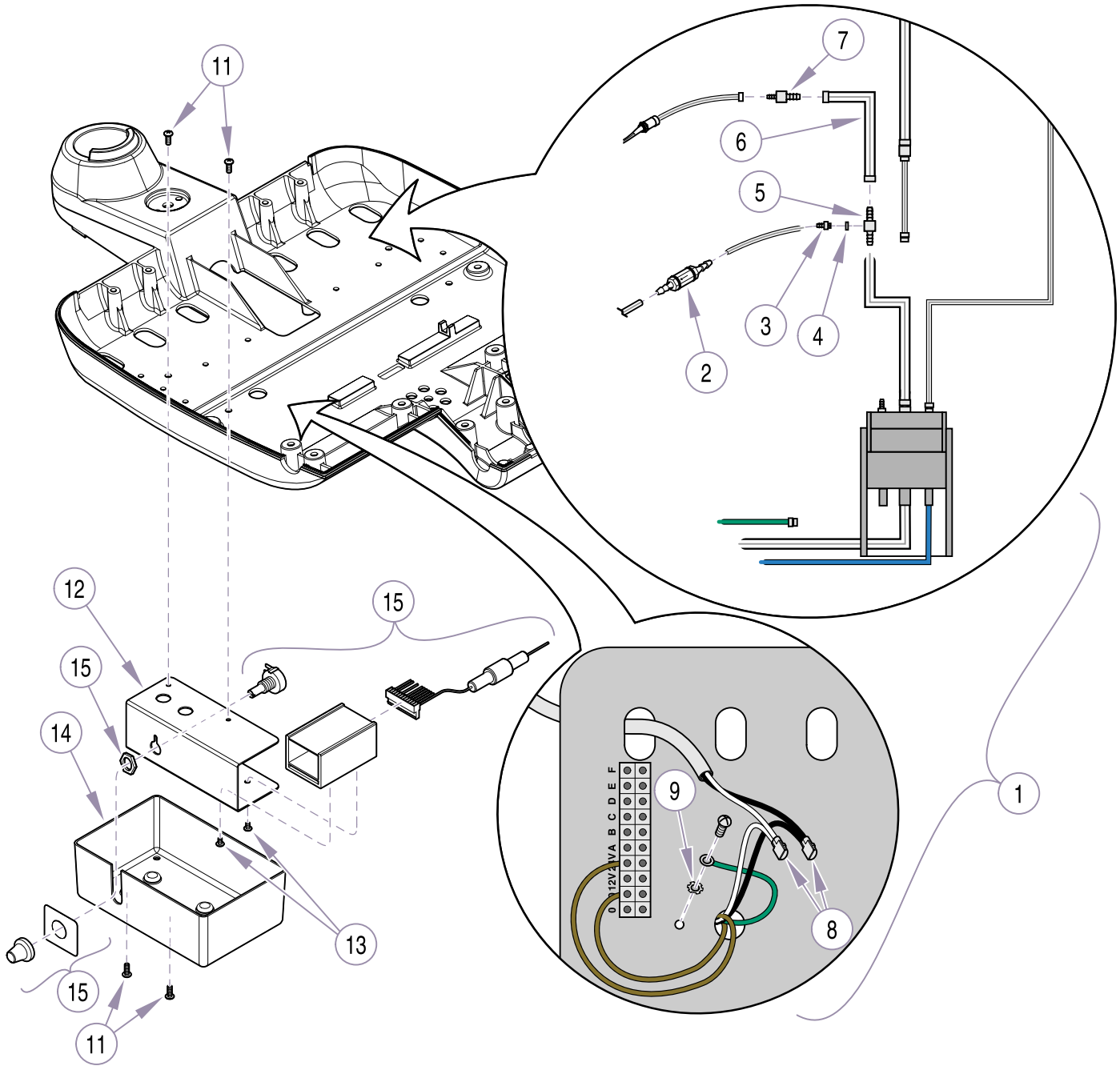
Amdent Scaler System (153631)



KA976800i

Item	Part No.	Description	Qty
	153631-001	Amdent Scaler System (Includes Items 1 thru 15)	Ref
1	• 029-2644-00	• Amdent Tubing Assembly (Includes Items 1 thru 9)	Ref
2	• • 117698	• • Check Valve	1
3	• • 109714	• • Barb Fitting	1
4	• • 117660	• • Gasket	1
5	• • 117483	• • Barbed Nipple Fitting	1
6	• • 177529	• • 1/8” Clear Tubing	1
7	• • 117739	• • Barb Fitting	1
8	• • 116688	• • Connector	2
9	• • P14718	• • Washer	1
10	• 029-2645-00	• Amdent Scaler Box Assembly (Includes Items 11 thru 16)	Ref
11	• • 040-0006-97	• • Screw	4
12	• • 050-5412-50	• • Amdent Holder Bracket	1
13	• • 042-0118-01	• • Screw	2
14	• • 053-1197-01	• • Scaler Cover	1
15	• • 123062	• • Amdent Scaler	1
16	• • 015-1482-00	• • Amdent Scaler Wiring Diagram (Includes Item 17 [Not Shown])	1
17	• • • 120769	• • • Pressure Switch (Not Shown)	1

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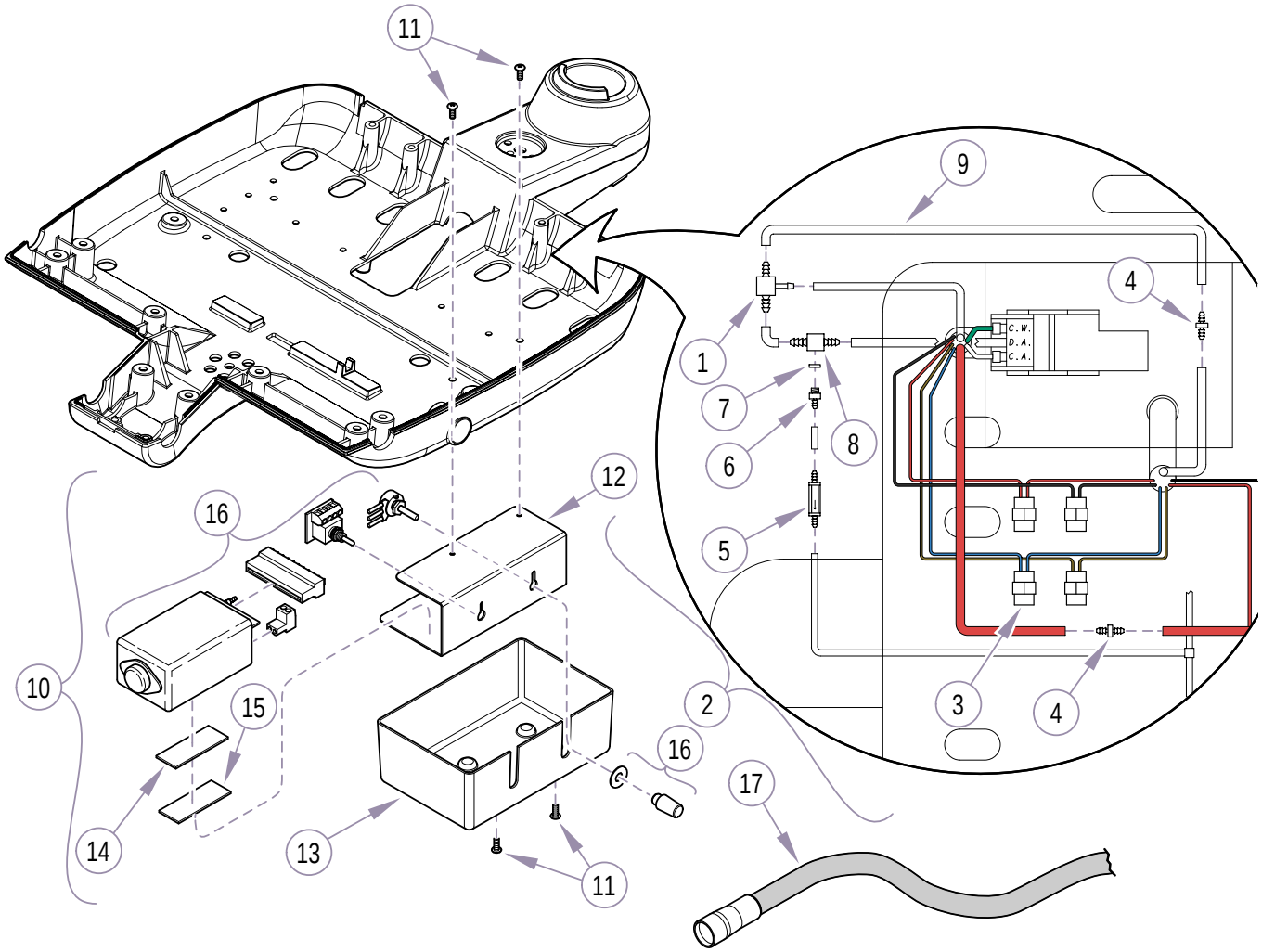
Electric Handpiece System
[for ProCenter Units]
(153632-001)



KA977200i

Item	Part No.	Description	Qty
	153632-001	Electric Handpiece System (ProCenter *(includes items 1 thru 10)*	
1	• 117477	• "T" Fitting	1
2	• 029-2654-00	• Tubing Connection Kit *(includes items 3 thru 9)*	1
3	• • 117244	• • Scotch-Lok Connector	4
4	• • 117482	• • Barb Fitting	2
5	• • 117698	• • Check Valve	1
6	• • 109714	• • Barb Fitting	1
7	• • 117660	• • Gasket	1
8	• • 117483	• • Barbed Nipple Fitting	1
9	• • 177606	• • Clear Tubing	1
10	• 029-2655-00	• Electric Hndpc. Box / Tubing Assembly *(includes items 11 thru 18)*	Ref
11	• • 040-0006-97	• • Screw	4
12	• • 050-5411-50	• • Electric Handpiece Bracket	1
13	• • 053-1300-02	• • Handpiece Cover	1
14	• • 053-0131-31	• • Velcro Hook	1
15	• • 053-0105-33	• • Velcro Loop	1
16	• • 002-0669-00	• • Bien Air Electric Hndpc. Kit *(includes item 17)*	1
17	• • • 016-0935-01	• • • Handpiece Tubing (w/swivel)	1
18	• • 015-1496-00	• • Wiring Harness (not shown)	1

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Electric Handpiece System
[for Freestanding Casework Mtd. Units]
(153632-002)

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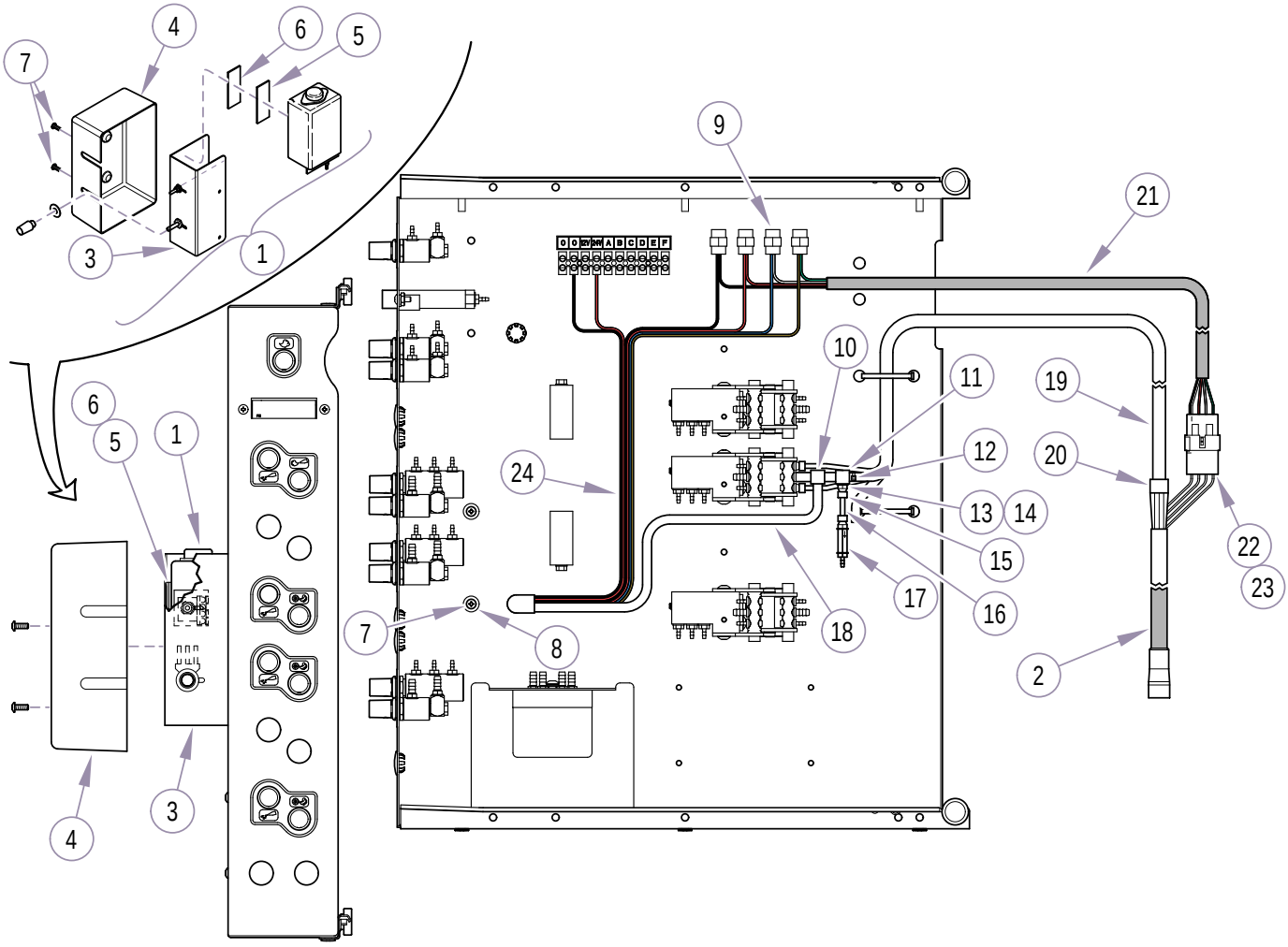

DA131000i

Item	Part No.	Description	Qty
	153632-002	Electric Handpiece System (12:00 FSC) *(includes items 1 thru 10)*	1
1	• 002-0669-00	• Bien Air Electric Hndpc. Kit *(includes items 2)*	1
2	• • 016-0935-01	• • Handpiece Tubing (w/swivel)	1
3	• 050-5411-50	• Electric Handpiece Bracket	1
4	• 053-1300-02	• Handpiece Cover	1
5	• 053-0105-33	• Velcro Loop	1
6	• 053-0131-31	• Velcro Hook	1
7	• 040-0006-97	• Screw	4
8	• P1673	• Washer	2
9	• 117244	• Scotch-Lok Connector	4
10	• 117478	• “T” Fitting	1
11	• 117483	• Barb Fitting	2
12	• 115896	• Cable Tie	1
13	• 109714	• Barb Fitting	1
14	• 117660	• Gasket	1
15	• 117479	• Uni-clamp	2
16	• 177529	• Tubing, 1/8” clear	0.125 ft
17	• 117698	• Check Valve	1
18	• 177606	• Clear Tubing	
19	• S059-00118	• 4-hole Hndpc. Tubing	6 ft.
20	• 016-0920-00	• Tubing Connector	1
21	• 015-1589-00	• Wiring Harness	1
22	• 015-1538-00	• Terminal	4
23	• 112897	• 4-Wire Connector	1
24	• 015-1496-00	• Wiring Harness	1

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Digital Electric Handpiece System

[for ProCenter Units]

(153632-004)

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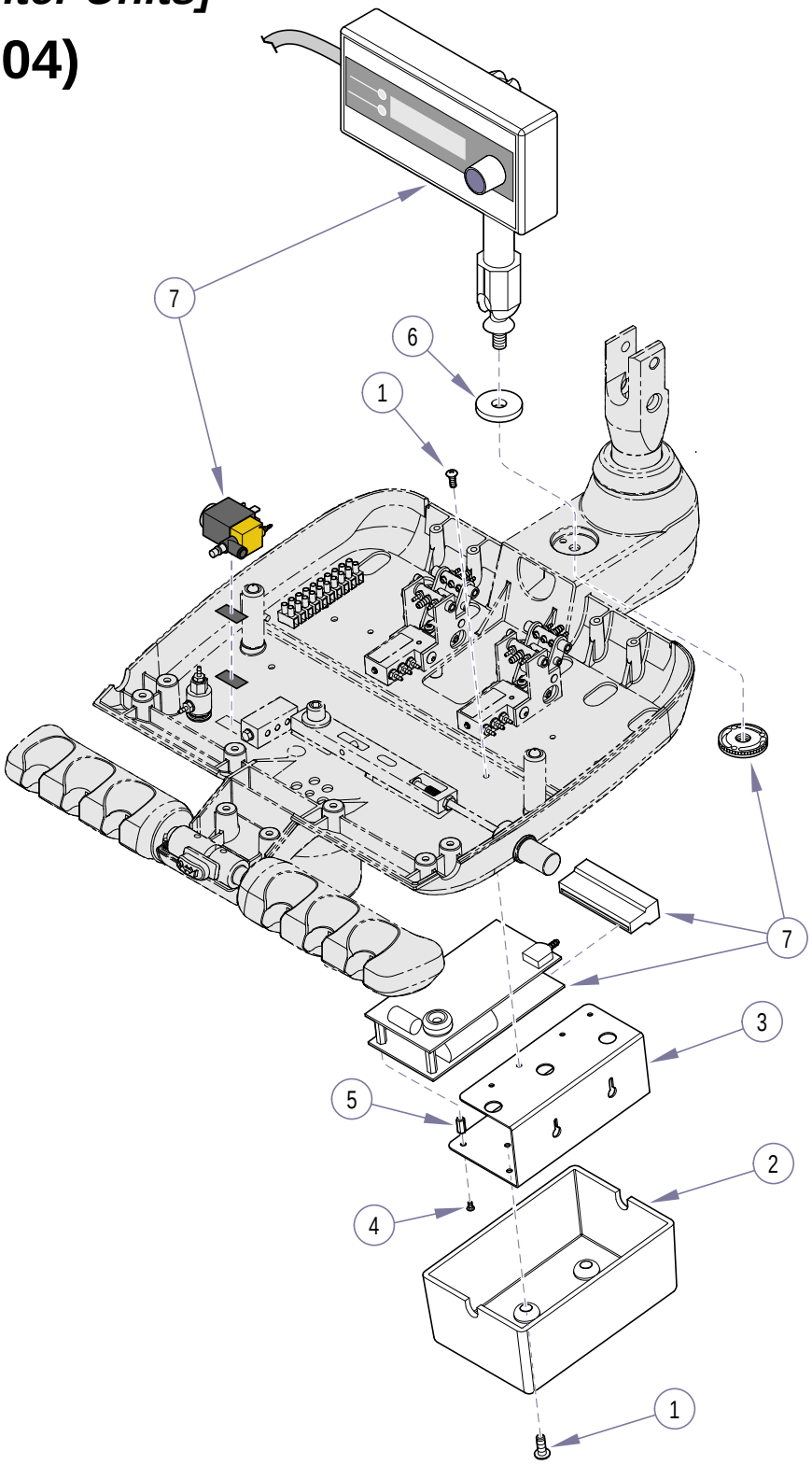

DA137700i

Item	Part No.	Description	Qty
	153632-004	Digital Electric Handpiece System *(Includes items 1 thru 7)*	
1	• 004-0006-97	• Screw	4
2	• 053-1300-04	• Digital Handpiece Cover	1
3	• 050-5411-00	• Electric Handpiece Bracket	1
4	• 042-0609-00	• Screw	3
5	• 015-1770-00	• Standoff	3
6	• 050-5929-00	• Digital Display Mount Spacer	1
7	• 002-0669-00	• Bien Air Electric Hndpc. Kit	1

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Unilite Curing Light System (153633)

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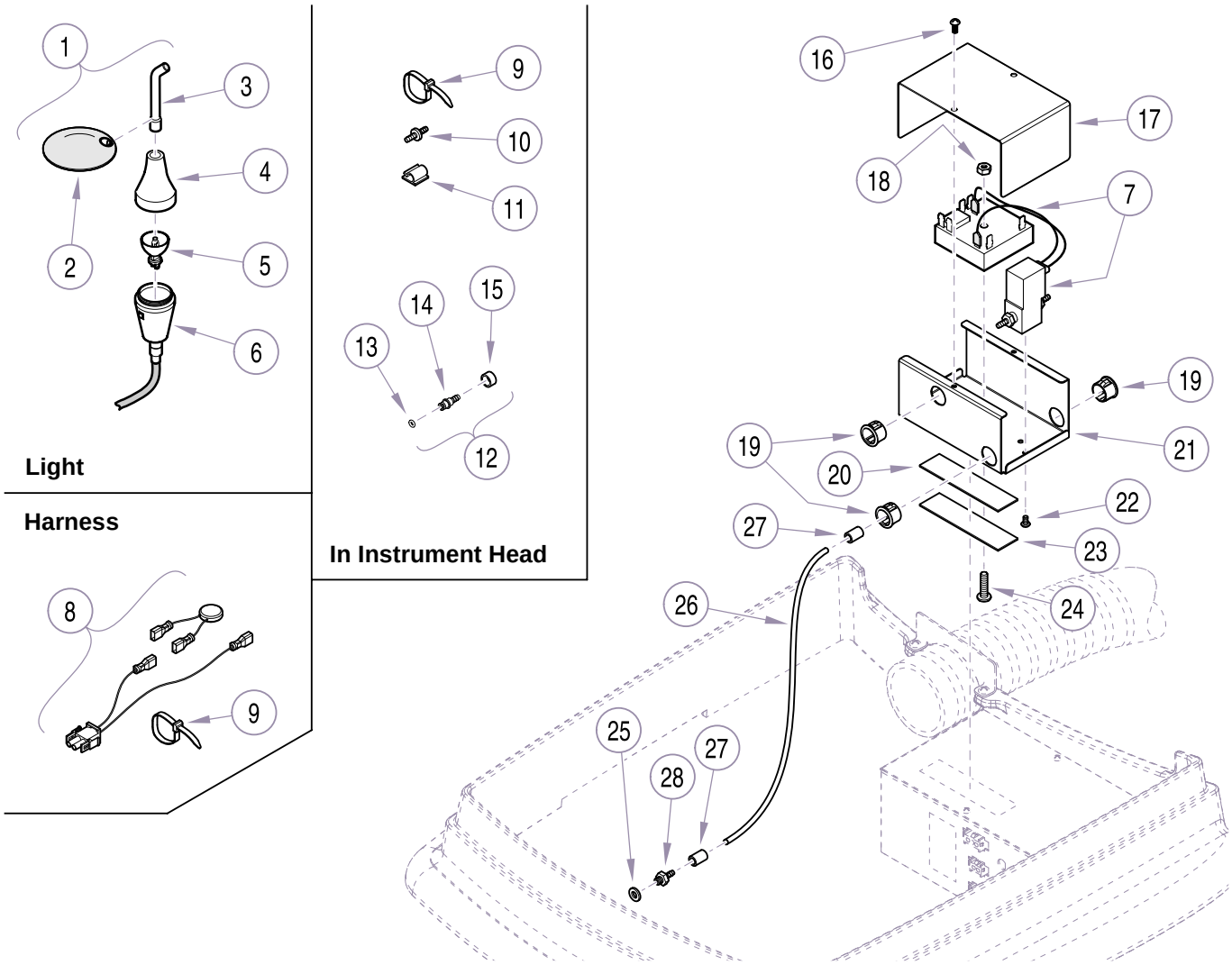

KA976300i

Item	Part No.	Description	Qty
	153633-001	Unilite Curing Light	Ref
		Individual components of Unilite Kit (items 2 thru 7) must be ordered from: ***Spring Health Products*** ***705 General Washington Ave, STE. 701*** ***Norristown, PA 19403*** ***Telephone: (800) 800-1680***	
1	002-0670-00	Unilite Complete (Incl. Items 2 thru 7)	1
2	•	• Eye Sheild ***(Spring Health # ES-01)***	1
3	•	• Light Guide, 11mm (standard) {Also Available from Spring Health: Light Guides - sizes: 3mm, 8mm and 13mm	
4	•	• Upper Housing	1
5	•	• Halogen Bulb, 12V, 75W ***(Spring Health # BU-75)***	1
6	•	• Curing Light Housing	1
7	•	• Solenoid / Relay Assembly ***(Spring Health # UL-4)***	1
8	015-1495-00	Curing Light Harness (Includes Item 9)	1
9	115896	Cable Tie	2
10	117482	Barbed Union Fitting	1
11	109191	Cord Clip	1
12	029-2540-00	Male Coupler Assy (Includes Items 13 thru 15)	1
13	• 014-0176-44	• O-Ring	1
14	• 057-0541-00	• Male Coupler	1
15	• 057-0543-00	• Coupler Nut	1
16	040-0010-47	Screw	2
17	050-4994-50	Power Supply Cover	1
18	041-0250-06	Nut	1
19	053-0068-08	Snap Bushing	3
20	053-0131-15	Velco Hook	2
21	050-4993-50	Power Supply Chassis	1
22	040-0008-70	Screw	2
23	053-0105-39	Velcro Loop	2
24	040-0250-44	Screw	1
25	117660	Gasket	1
26	275263	1/4” Tubing	1.5’
27	117480	Sleeve Clamp	6
28	117349	Fitting	1

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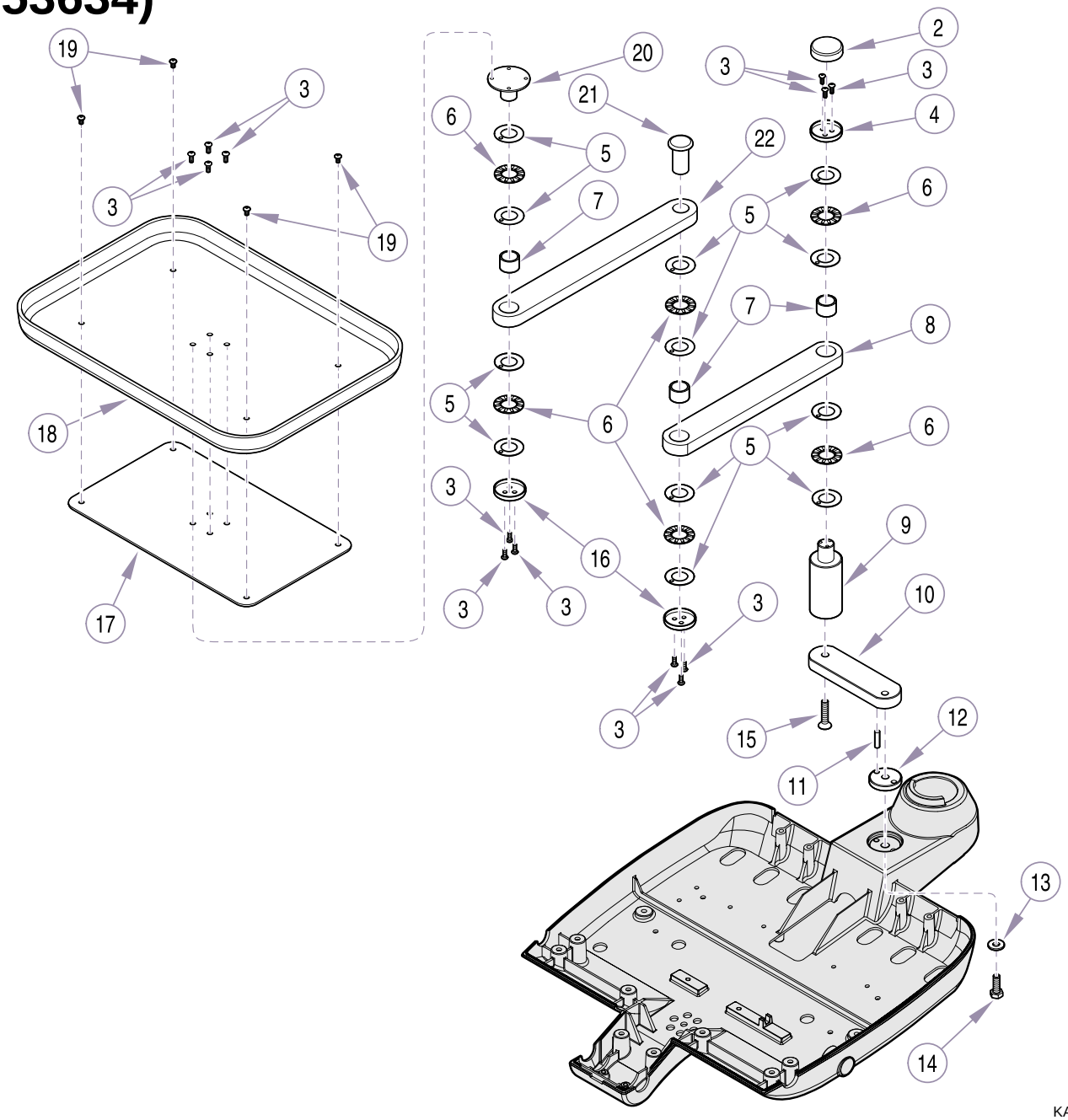
9” x 13” Tray (153634)



KA978800i

Item	Part No.	Description	Qty
	153634	9” x 13” Tray (Factory Installed)	Ref
	153634-001	9” x 13” Tray (Field Installed)	Ref
1	029-2657-00	9” x 13” Tray System (Includes Items 2 thru 22)	1
2	• 121082-50	• Cap	1
3	• 120612	• Screw, Socket Head	13
4	• 121081-2	• Bearing Cap	1
5	• 119458	• Thrust Washer	12
6	• 119462	• Thrust Bearing	6
7	• 120579	• Tray Arm Bearing	3
8	• 051-0939-50	• Instrument Tray Arm	1
9	• 057-0635-50	• Tray Arm Spacer	1
10	• 051-0944-50	• Instrument Tray Arm	1
11	• 120965	• Dowel Pin (Apply 042-0024-00, Loctite 242)	1
12	• 057-0653-50	• Tray Arm Spacer	1
13	• 118047	• Washer	1
14	• 122068	• Screw	1
15	• 040-0250-77	• Screw (Apply 042-0024-00, Loctite 242)	1
16	• 120580-50	• Tray Arm Bearing Cap (Apply 185057, Silicone Glue)	2
17	• 120617-50	• Tray Support Plate	1
18	• 120613-01	• Tray Support	1
19	• 119905	• Screw	4
20	• 120585-2	• Tray Arm Pin	1
21	• 120962	• Pivot Pin (Apply 042-0024-00, Loctite 242)	1
22	• 120961-50	• Movable Arm	1

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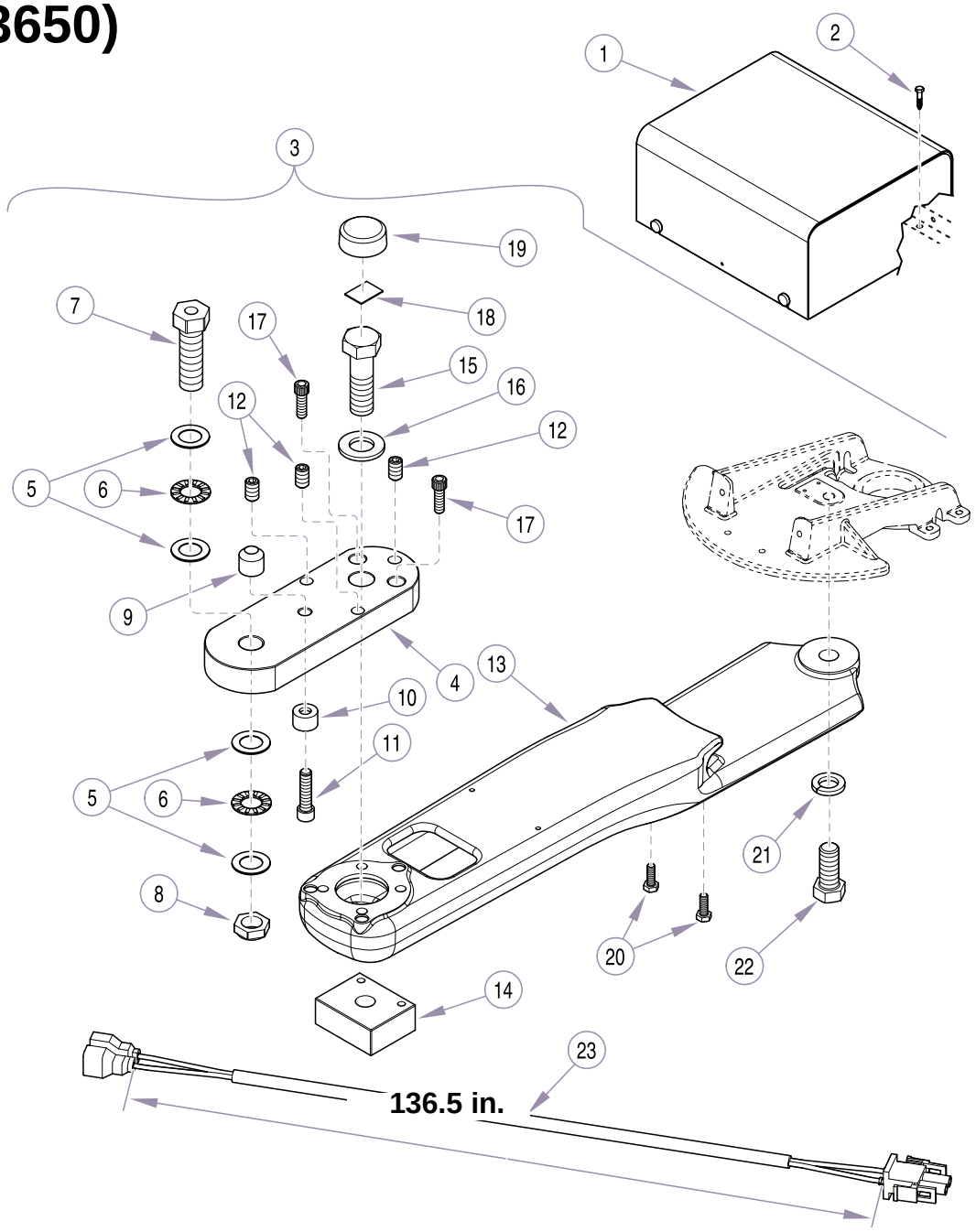
LR Light Adapter Kit (153650)



KA996400i

Item	Part No.	Description	Qty
	153650	LR Light Adapter Kit (includes install guide 003-1216-00 & items 1 thru 23)	Ref
1	• 029-2695-00	• Small Junction Box (Refer to "ProCenter / Whip Delivery Systems Service and Parts Manual")	Ref
2	• 106009	• Screw	4
3	• 029-2696-00	LR Chair Mount Assembly (includes install sheet 003-1306-00 & items 4 thru 22)	1
4	• • 050-5100-50	• • L/R Extension Plate	1
5	• • 119034	• • Thrust Race	2
6	• • 119033	• • Thrust Bearing	1
7	• • 042-0206-00	• • Screw	1
8	• • 122553	• • Stop Nut	1
9	• • 122550	• • Light Arm Stop Bumper	1
10	• • 122549	• • Unit Arm Stop Bumper	1
11	• • 107995	• • Screw	1
12	• • 122547	• • Set Screw	3
13	• • 020-0202-51	• • Console L/R Mount	1
14	• • 050-4920-50	• • L/R Nut Plate	1
15	• • 040-0750-02	• • Screw	1
16	• • 122554	• • Flat Washer	1
17	• • 040-0312-41	• • Screw (Apply Loctite #042-0024-00)	2
18	• • 275184	• • 3/4" Double Sided Tape	AR
19	• • 122596-01	• • Unit Bolt Cover	1
20	• • 122068	• • Screw (Apply Loctite #042-0024-00)	2
21	• • 040-0625-04	• • Screw	1
22	• • 045-0001-91	• • Lockwasher	1
23	• 015-1468-00	• J-Box Light Harness	4

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Monitor Pedestal 153652

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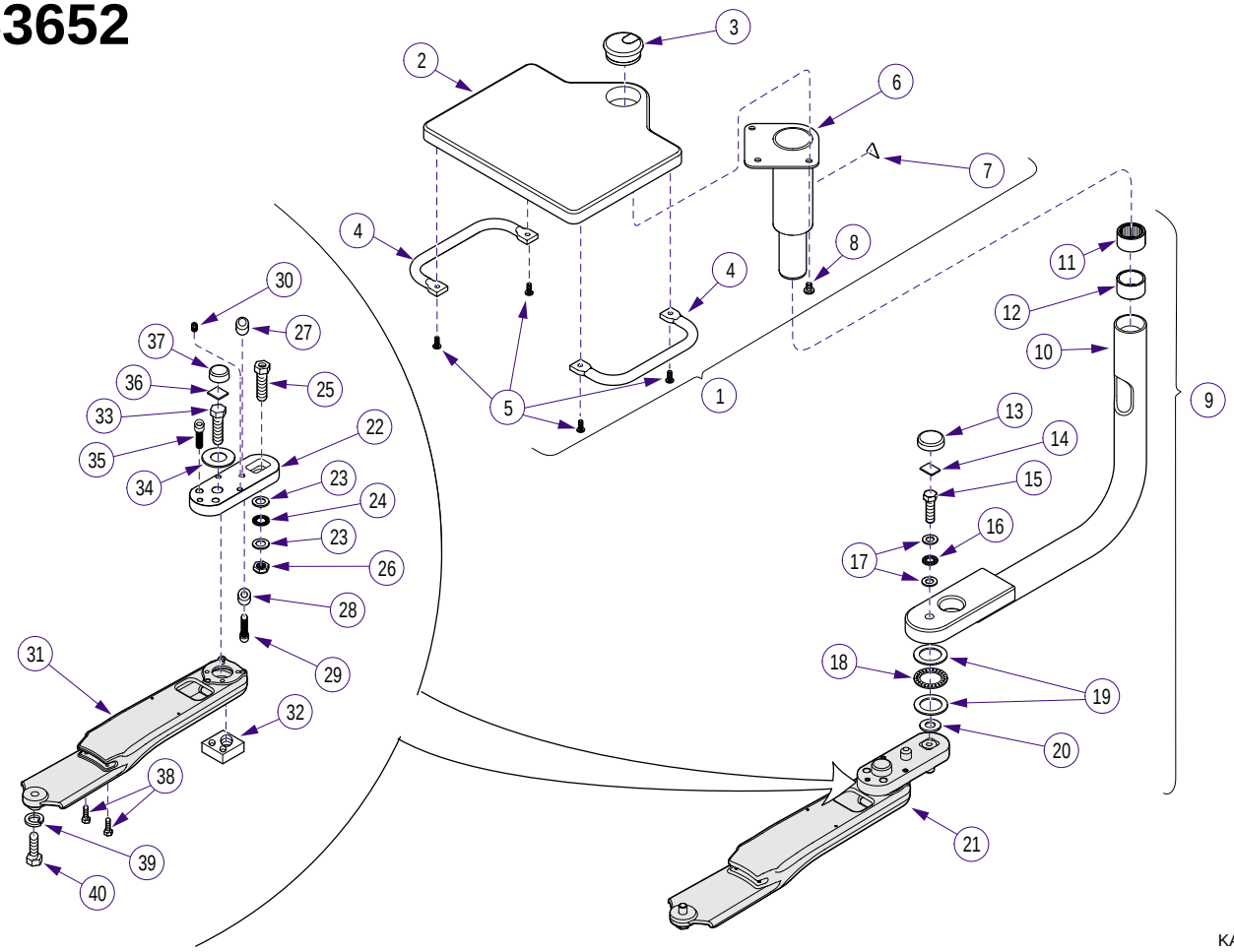

KA985202i

Applies to units built before 3/22/03

Item	Part No.	Description	Qty
	153652-001	**Monitor Pedestal Assembly w/ Midmark LR Bracket** *(includes items 1 thru 21)*	
1	• 029-2709-00	• Pedestal Assembly *(includes items 2 thru 8)*	1
2	• • 063-9956-00)	• • Monitor Pedestal	1
3	• • 053-0452-02	• • Wire Grommet w/Cap	1
4	• • 057-0654-50	• • Handle	2
5	• • 040-0010-12	• • Screw	4
6	• • 030-1316-50	• • Monitor Pedestal Support	1
7	• • 061-0654-00	• • Caution Label	1
8	• • 040-0250-13	• • Screw	2
9	•	• Lower Arm Assembly *(includes items 10 thru 20)*	
	002-0741-00	*for Midmark LR Chair*	1
	002-0741-01	*for Knight LR Chair*	1
10	• • n/a	• • Monitor Tube Weldment	1
11	• • 016-0856-01	• • Needle Bearing	1
12	• • 016-0149-19	• • Sleeve Bearing	1
13	• • 122595-1	• • Bolt Cover	1
14	• • 275184	• • Adhesive Tape	1
15	• • 040-0500-28	• • Bolt	1
16	• • 120721	• • Thrust Washer	2
17	• • 110207	• • Needle Thrust Bearing	1
18	• • 016-0196-02	• • Thrust Bearing	1
19	• • 016-0300-02	• • Thrust Washer	2
20	• • 050-5259-00	• • Bearing Spacer	1
21	• 029-2696-00	• Midmark Chair LR Bracket Assm. *(includes items 22 thru 40)*	1
22	• • 050-5100-50	• • L/R Extension Plate	1
23	• • 119034	• • Thrust Race	2
24	• • 119033	• • Thrust Bearing	1
25	• • 042-0206-00	• • Screw	1
26	• • 122553	• • Stop Nut	1
27	• • 122550	• • Light Arm Stop Bumper	1
28	• • 122549	• • Unit Arm Stop Bumper	1
29	• • 107995	• • Screw	1
30	• • 122547	• • Set Screw	3
31	• • 020-0202-51	• • Console L/R Mount	1
32	• • 050-4920-50	• • L/R Nut Plate	1
33	• • 040-0750-02	• • Screw	1
34	• • 122554	• • Flat Washer	1
35	• • 040-0312-41	• • Screw (Apply Loctite #042-0024-00)	2
36	• • 275184	• • 3/4” Double Sided Tape	AR
37	• • 122596-01	• • Unit Bolt Cover	1
38	• • 122068	• • Screw (Apply Loctite #042-0024-00)	2
39	• • 045-0001-91	• • Lockwasher	1
40	• • 040-0625-04	• • Screw	1

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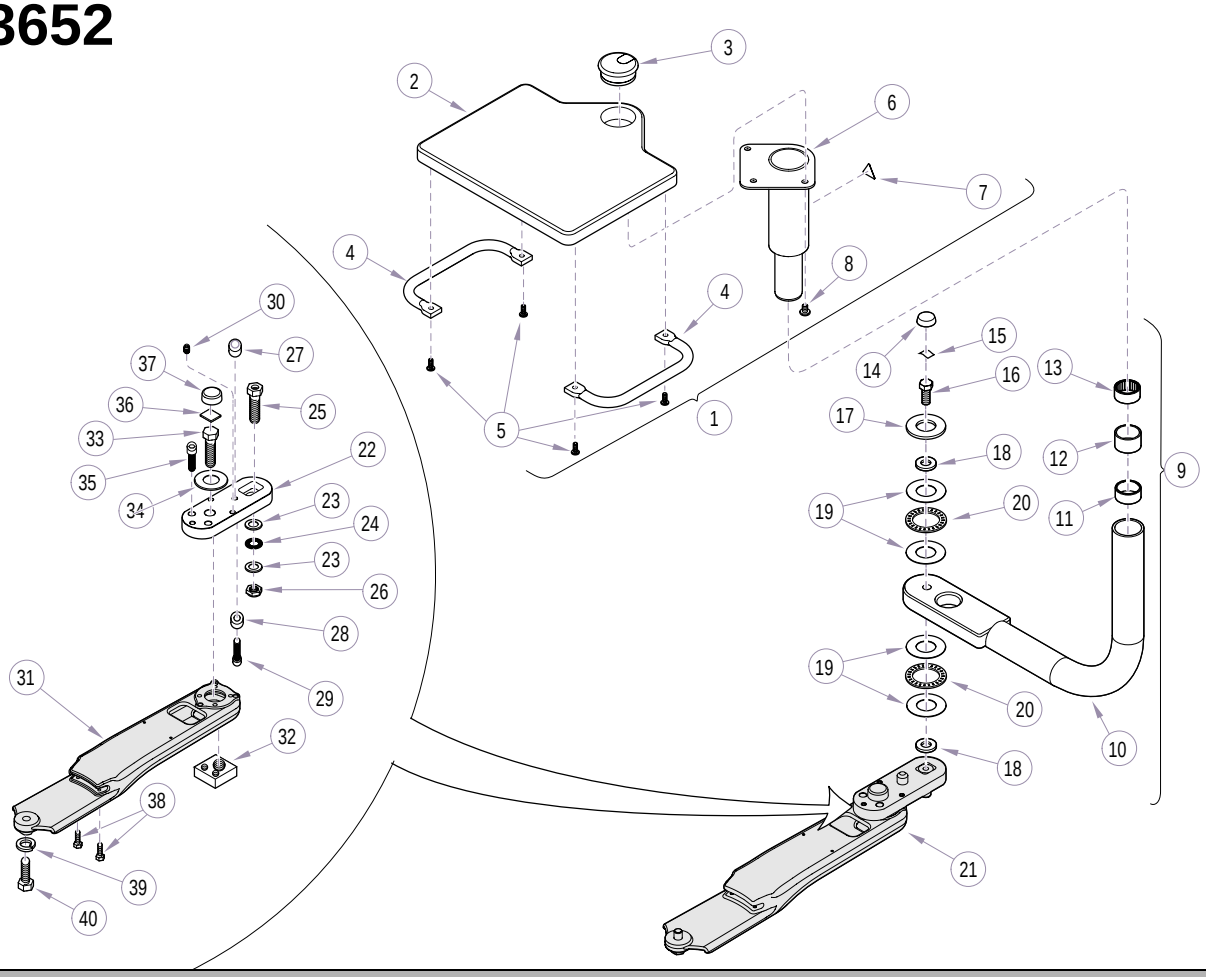
Monitor Pedestal 153652

ACCESSORY PARTS LIST



DA131700i

Applies to units built after 3/22/03

Item	Part No.	Description	Qty
	153652-001	**Monitor Pedestal w/ Midmark LR Bracket** *(includes items 1 thru 21)*	
1	• 029-2709-00	• Pedestal Assembly *(includes items 2 thru 8)*	1
2	• • 063-9956-00)	• • Monitor Pedestal	1
3	• • 053-0452-02	• • Wire Grommet w/Cap	1
4	• • 057-0654-50	• • Handle	2
5	• • 040-0010-12	• • Screw	4
6	• • 030-1316-50	• • Monitor Pedestal Support	1
7	• • 061-0654-00	• • Caution Label	1
8	• • 040-0250-13	• • Screw	2
9	•	• Lower Arm Assembly *(includes items 10 thru 20)*	
	002-0741-00	*for Midmark LR Chair*	1
	002-0741-01	*for Knight LR Chair*	1
10	• • n/a	• • Monitor Tube Weldment	1
11	• • 016-0149-19	• • Sleeve Bearing	1
12	• • 052-0373-00	• • Bearing Spacer	1
13	• • 016-0856-01	• • Needle Bearing	1
14	• • 053-1360-00	• • Bolt Cover	1
15	• • 275184	• • Adhesive Tape	AR
16	• • 040-0500-29	• • Bolt	1
17	• • 050-5259-02	• • Bearing Spacer *(large)*	1
18	• • 050-5259-01	• • Bearing Spacer *(small)*	1
19	• • 016-0300-03	• • Thrust Washer	4
20	• • 016-0196-04	• • Thrust Bearing	2
21	• 029-2696-00	• Midmark Chair LR Bracket Assm. *(includes items 22 thru 40)*	1
22	• • 050-5100-50	• • L/R Extension Plate	1
23	• • 119034	• • Thrust Race	2
24	• • 119033	• • Thrust Bearing	1
25	• • 042-0206-00	• • Screw	1
26	• • 122553	• • Stop Nut	1
27	• • 122550	• • Light Arm Stop Bumper	1
28	• • 122549	• • Unit Arm Stop Bumper	1
29	• • 107995	• • Screw	1
30	• • 122547	• • Set Screw	3
31	• • 020-0202-51	• • Console L/R Mount	1
32	• • 050-4920-50	• • L/R Nut Plate	1
33	• • 040-0750-02	• • Screw	1
34	• • 122554	• • Flat Washer	1
35	• • 040-0312-41	• • Screw (Apply Loctite #042-0024-00)	2
36	• • 275184	• • 3/4" Double Sided Tape	AR
37	• • 122596-01	• • Unit Bolt Cover	1
38	• • 122068	• • Screw (Apply Loctite #042-0024-00)	2
39	• • 045-0001-91	• • Lockwasher	1
40	• • 040-0625-04	• • Screw	1

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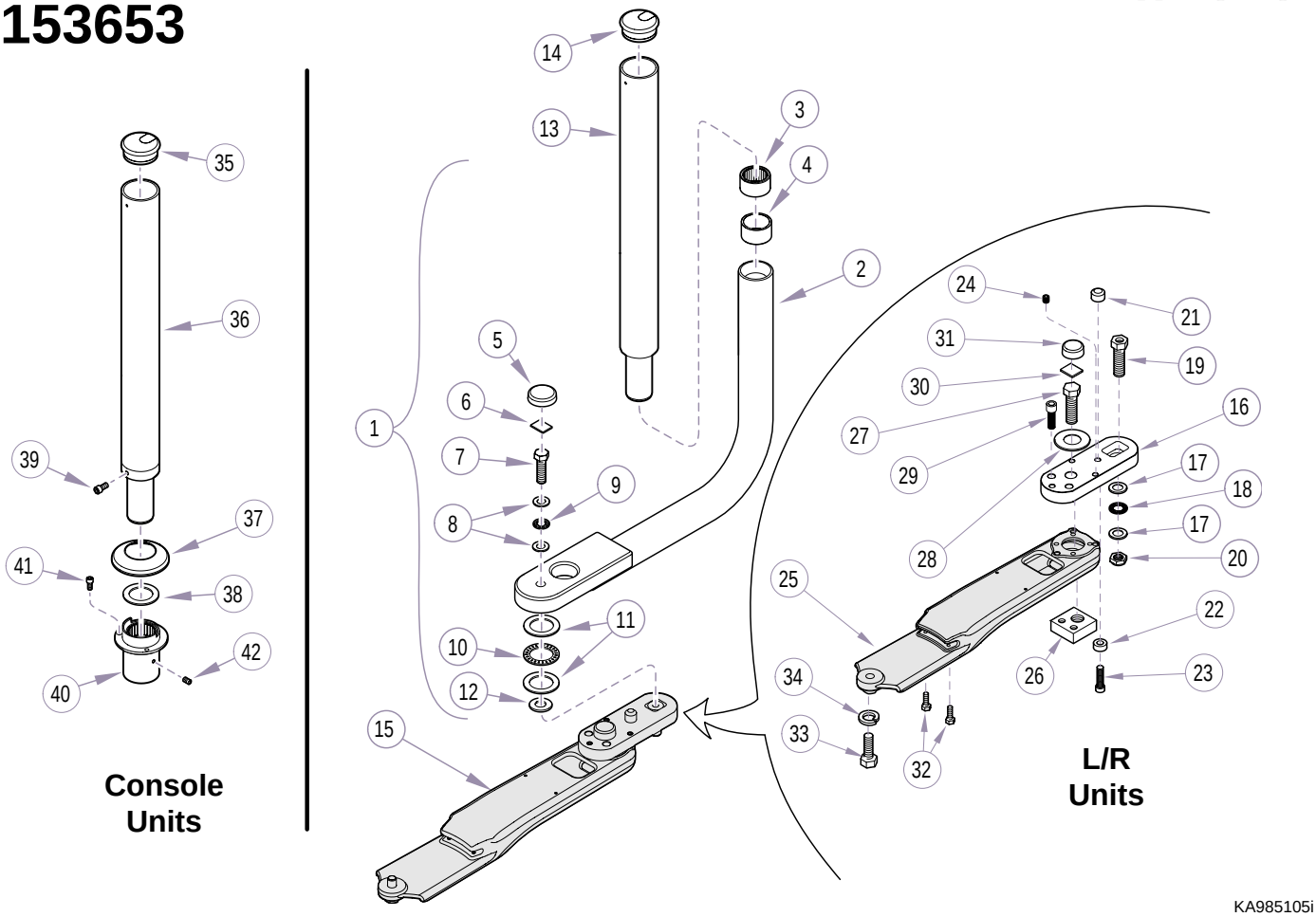
Monitor Arm Mount 153653

ACCESSORY PARTS LIST



KA985105i

Applies to units built before 3/22/03

Item	Part No.	Description	Qty
	153653-001	**LR Mtd. Monitor Arm w/ Midmark LR Bracket** *(includes items 1 thru 15)*	
	153653-002	**Console Mtd. Monitor Arm** *(includes items 35 thru 42)*	
1	•	• Lower Arm Assembly *(includes items 2 thru 12)*	
	002-0741-00	*for Midmark LR Chair*	1
	002-0741-01	*for Knight LR Chair*	1
2	• • n/a	• • Monitor Tube Weldment	1
3	• • 016-0856-01	• • Needle Bearing	1
4	• • 016-0149-19	• • Sleeve Bearing	1
5	• • 122595-1	• • Bolt Cover	1
6	• • 275184	• • Adhesive Tape	1
7	• • 040-0500-28	• • Bolt	1
8	• • 120712	• • Thrust Washer	2
9	• • 110207	• • Needle Thrust Bearing	1
10	• • 016-0196-02	• • Thrust Bearing	1
11	• • 016-0300-02	• • Thrust Washer	2
12	• • 050-5259-00	• • Bearing Spacer	1
13	• 029-2707-50	• Monitor Tube Assembly	1
14	• 053-0452-02	• Wire Grommet w/Cap	1
15	• 029-2696-00	• Midmark Chair LR Bracket Assembly *(includes items 16 thru 34)*	1
16	• • 050-5100-50	• • LR Extension Plate	1
17	• • 119034	• • Thrust Race	2
18	• • 119033	• • Thrust Bearing	1

Item	Part No.	Description	Qty
19	• • 042-0206-00	• • Screw	1
20	• • 122553	• • Stop Nut	1
21	• • 122550	• • Light Arm Stop Bumper	1
22	• • 122549	• • Unit Arm Stop Bumper	1
23	• • 107995	• • Screw	1
24	• • 122547	• • Set Screw	3
25	• • 020-0202-51	• • Console L/R Mount	1
26	• • 050-4920-50	• • LR Nut Plate	1
27	• • 040-0750-02	• • Screw	1
28	• • 122554	• • Flat Washer	1
29	• • 040-0312-41	• • Screw (Apply Loctite #042-0024-00)	2
30	• • 275184	• • 3/4" Double Sided Tape	AR
31	• • 122596-01	• • Unit Bolt Cover	1
32	• • 122068	• • Screw (Apply Loctite #042-0024-00)	2
33	• • 040-0625-04	• • Screw	1
34	• • 045-0001-91	• • Lockwasher	1
35	• 053-0452-02	• Wire Grommet w/Cap	1
36	• 029-2707-51	• Monitor Tube Assembly	1
37	• 053-1221-00	• Unit Trim Ring	1
38	• 053-1151-01	• Curved Arm Bearing Washer	1
39	• 040-0250-07	• Bolt	1
40	• 029-2498-00	• Console Bearing Assembly (Includes Items 41 thru 42	1
41	• • 040-0250-07	• • Bolt	1
42	• • 040-0250-155	• • Set Screw	1

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Monitor Arm Mount 153653

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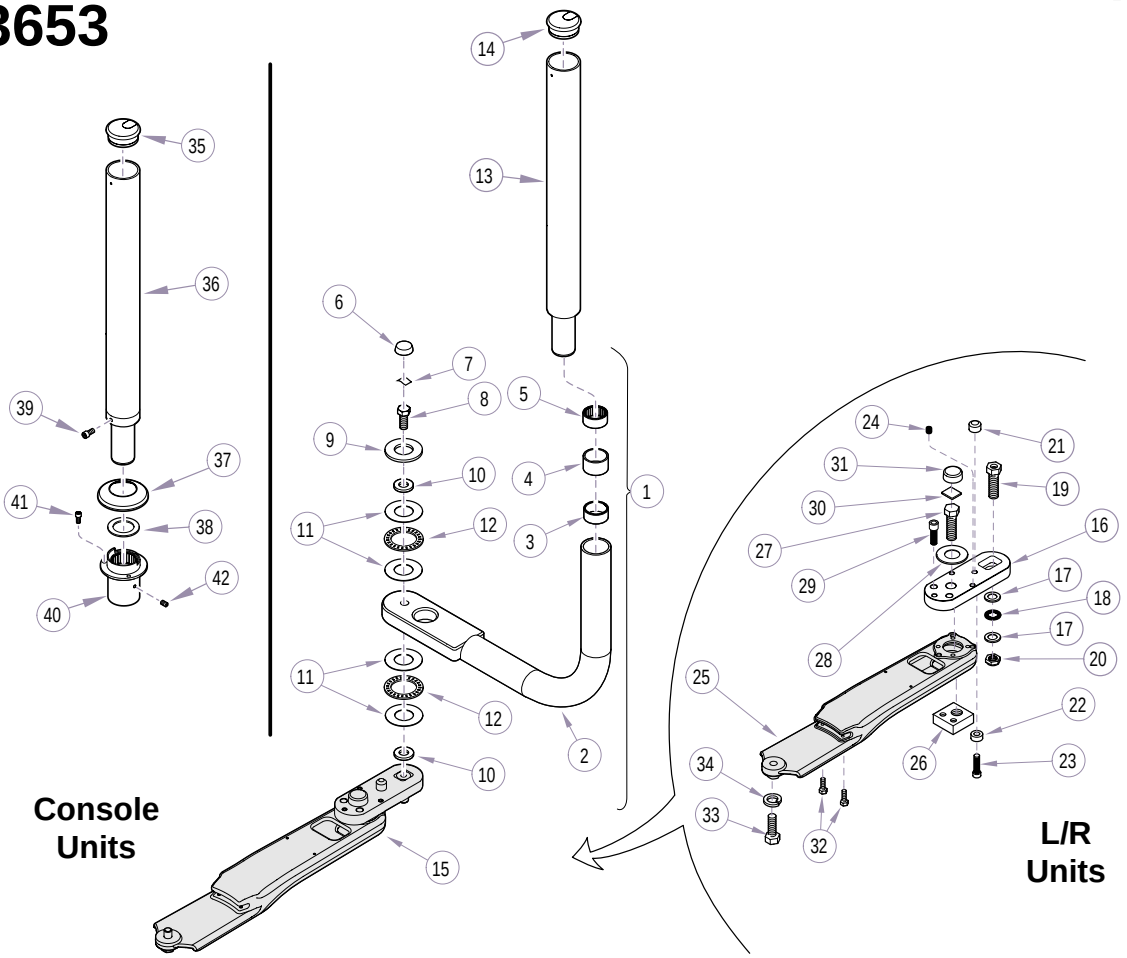

DA131900ii

Applies to units built after 3/22/03

Item	Part No.	Description	Qty
	153653-001	**LR Mtd. Monitor Arm w/ Midmark LR Bracket** *(includes items 1 thru 15)*	
	153653-002	**Console Mtd. Monitor Arm** *(includes items 35 thru 42)*	
1	•	• Lower Arm Assembly *(includes items 2 thru 12)*	
	002-0741-00	*for Midmark LR Chair*	1
	002-0741-01	*for Knight LR Chair*	1
2	• • n/a	• • Monitor Tube Weldment	1
3	• • 016-0149-19	• • Sleeve Bearing	1
4	• • 052-0373-00	• • Bearing Spacer	1
5	• • 016-0856-01	• • Needle Bearing	1
6	• • 053-1360-00	• • Bolt Cover	1
7	• • 275184	• • Adhesive Tape	AR
8	• • 040-0500-29	• • Bolt	1
9	• • 050-5259-02	• • Bearing Spacer *(large)*	1
10	• • 050-5259-01	• • Bearing Spacer *(small)*	1
11	• • 016-0300-03	• • Thrust Washer	4
12	• • 016-0196-04	• • Thrust Bearing	2
13	• 029-2707-50	• Monitor Tube Assembly	1
14	• 053-0452-02	• Wire Grommet w/Cap	1
15	• 029-2696-00	• Midmark Chair LR Bracket Assembly *(includes items 16 thru 34)*	1
16	• • 050-5100-50	• • LR Extension Plate	1
17	• • 119034	• • Thrust Race	2
18	• • 119033	• • Thrust Bearing	1
19	• • 042-0206-00	• • Screw	1
20	• • 122553	• • Stop Nut	1
21	• • 122550	• • Light Arm Stop Bumper	1
22	• • 122549	• • Unit Arm Stop Bumper	1
23	• • 107995	• • Screw	1
24	• • 122547	• • Set Screw	3
25	• • 020-0202-51	• • Console L/R Mount	1
26	• • 050-4920-50	• • LR Nut Plate	1
27	• • 040-0750-02	• • Screw	1
28	• • 122554	• • Flat Washer	1
29	• • 040-0312-41	• • Screw (Apply Loctite #042-0024-00)	2
30	• • 275184	• • 3/4" Double Sided Tape	AR
31	• • 122596-01	• • Unit Bolt Cover	1
32	• • 122068	• • Screw (Apply Loctite #042-0024-00)	2
33	• • 040-0625-04	• • Screw	1
34	• • 045-0001-91	• • Lockwasher	1
35	• 053-0452-02	• Wire Grommet w/Cap	1
36	• 029-2707-51	• Monitor Tube Assembly	1
37	• 053-1221-00	• Unit Trim Ring	1
38	• 053-1151-01	• Curved Arm Bearing Washer	1
39	• 040-0250-07	• Bolt	1
40	• 029-2498-00	• Console Bearing Assembly *(includes items 41 thru 42)*	1
41	• • 040-0250-07	• • Bolt	1
42	• • 040-0250-155	• • Set Screw	1

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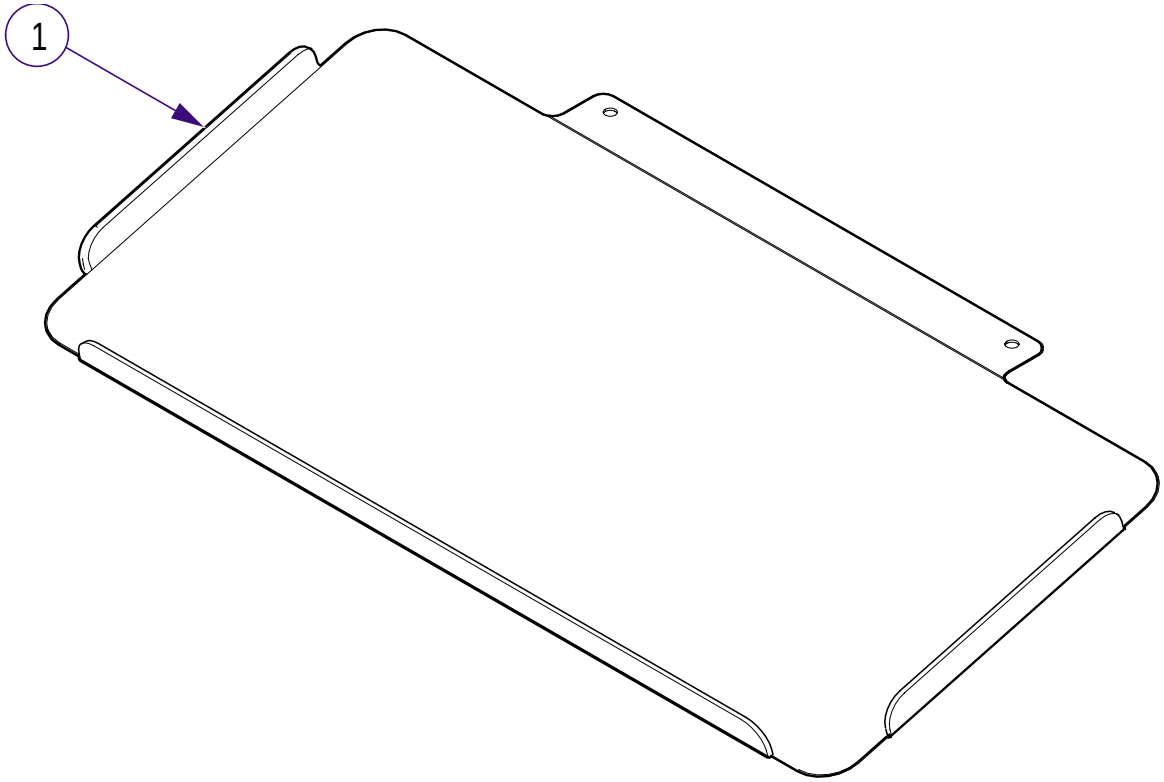
Keyboard Tray 153654



KA985300i

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
	153654-001	Keyboard Tray Assembly (Incl. Item1)	Ref	1	• 050-5057-50	• Keyboard Tray	1

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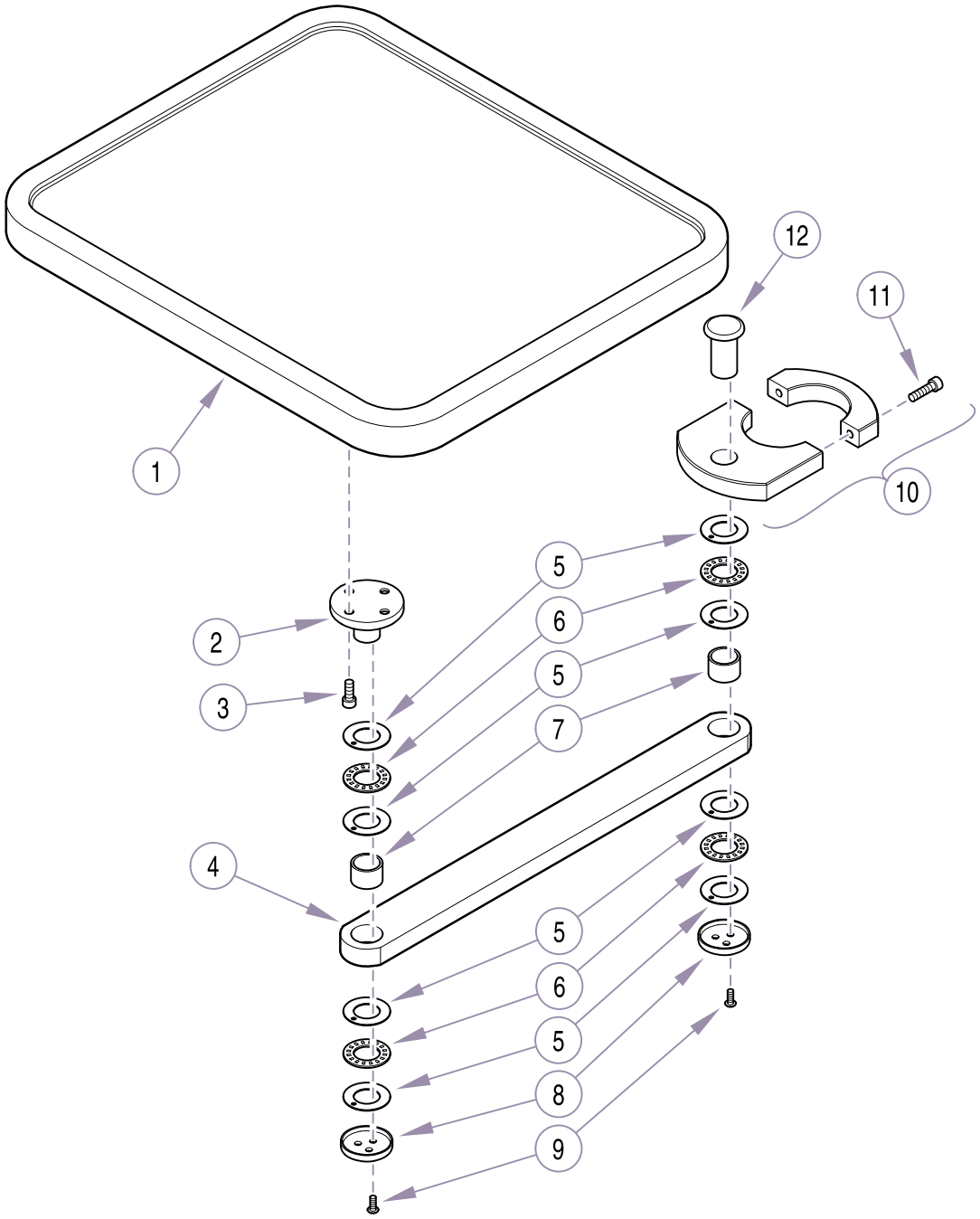
Assistant's Tray (153657)



KA991600i

Item	Part No.	Description	Qty
	153657	Assistant's Tray - 1 3/4" Clamp [Factory Installed] (Includes Items 1 thru 12)...	Ref
	153657-001	Assistant's Tray - 1 3/4" Clamp [Field Installed] (Includes Items 1 thru 12)...	Ref
	153657-002	Assistant's Tray - 2" Clamp [Factory Installed] (Includes Items 1 thru 12)...	Ref
	153657-003	Assistant's Tray - 2" Clamp [Field Installed] (Includes Items 1 thru 12)...	Ref
1	• 063-9958-00	• Assistant's Tray Top	1
2	• 057-0666-00	• Tray Arm Pin	1
3	• 122445	• Screw	4
4	• 121079-50	• Instrument Tray Arm	1
5	• 119458	• Thrust Washer	8
6	• 119462	• Needle Bearing	4
7	• 120579	• Tray Arm Bearing	2
8	• 120580-50	• Tray Arm Bearing Cap	2
9	• 120612	• Screw	6
10	• 051-0959-50	• Assistant's Tray Clamp - 1 3/4"	
	• 051-0959-51	• Assistant's Tray Clamp - 2" (Includes Item 11)	1
11	• • 040-0010-132	• • Screw	2
12	• 120962	• Pivot Pin	1

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Bien Air Curing Light (153672 - Factory) (153672-001 - Field)

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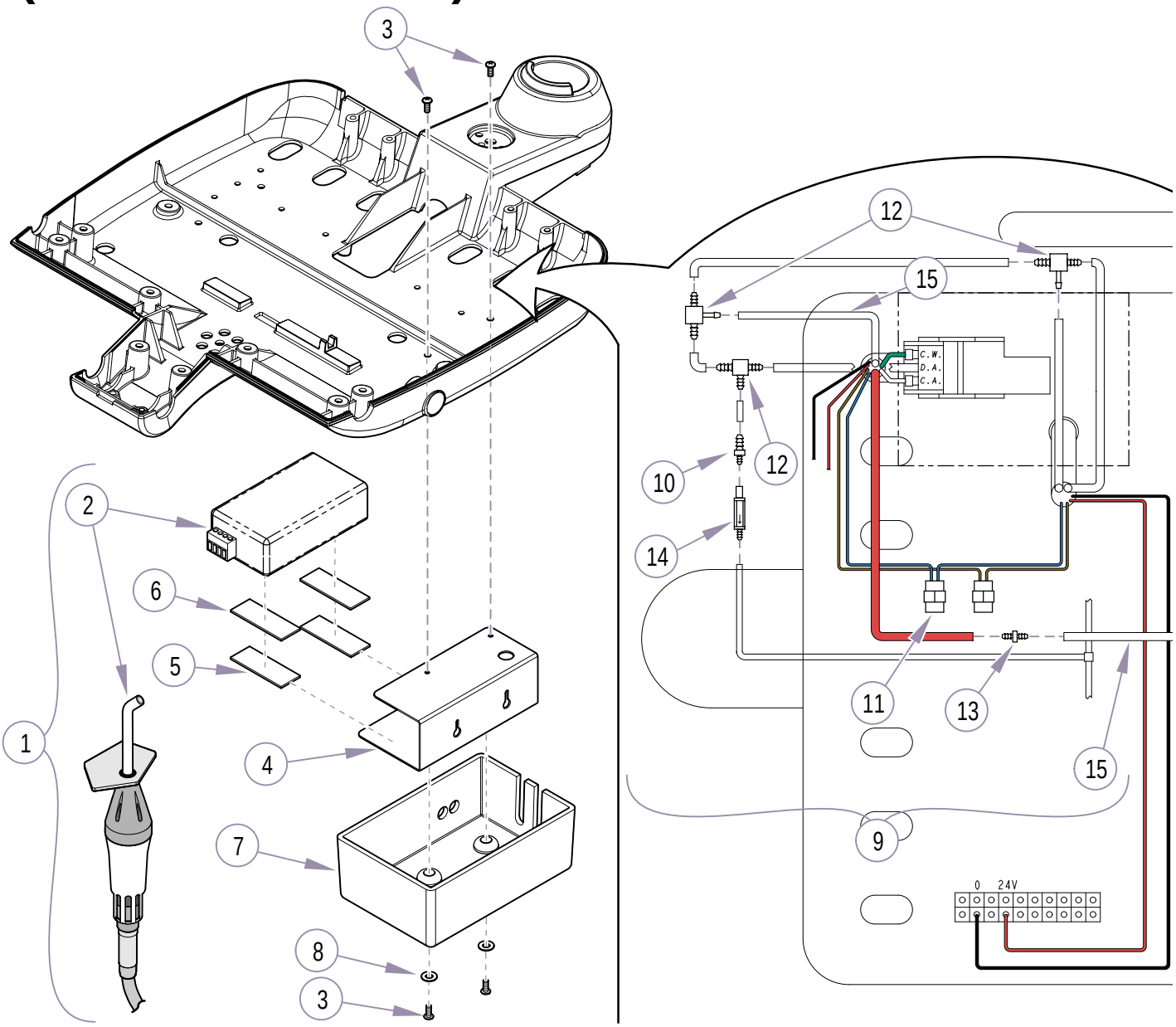

DA106501i

Item	Part No.	Description	Qty
	153672	Bien Air Curing Light - Factory Installed (Includes Items 1 thru 23)	
	153672-001	Bien Air Curing Light - Field Installed (Includes Items 1 thru 24)	
1	029-2831-00	Curing Light Box Assembly	1
2	• 002-0700-00	• Curing Light Kit	1
3	• 040-0006-97	• Screw	4
4	• 050-4997-50	• Electric Handpiece Bracket	1
5	• 053-0105-33	• Velcro Loop (3/4" x 2")	2
6	• 053-0131-31	• Velcro Hook (3/4" x 2")	2
7	• 053-1197-03	• Curing Light Cover	1
8	• P12572	• Washer	2
9	029-2832-00	Curing Light Tubing Assembly	1
10	• 117739	• Fitting (10-32 x 1/16)	1
11	• 117244	• Connector	2
12	• 117478	• Fitting (1/8 Barb Tee)	3
13	• 117482	• Fitting (1/8 to 1/8)	2
14	• 117698	• Check Valve	1
15	• 177606	• Tubing, Clear (in inches)	Qty: 2 - xx in.
16	• 123058	• Clamp Pad (Not Shown)	1
17	• 102308	• Cable Tie (Not Shown)	1
18	• 275457	• Red Wire (in inches) (Not Shown)	12
19	• 176396	• Black Wire (in inches) (Not Shown)	12
20	• 177414	• Blue Wire (in inches) (Not Shown)	12
21	• 175760	• Brown Wire (in inches) (Not Shown)	12
22	003-1273-00	Installation Instructions (Not Shown)	1

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I.V. Pole Assembly (153686)

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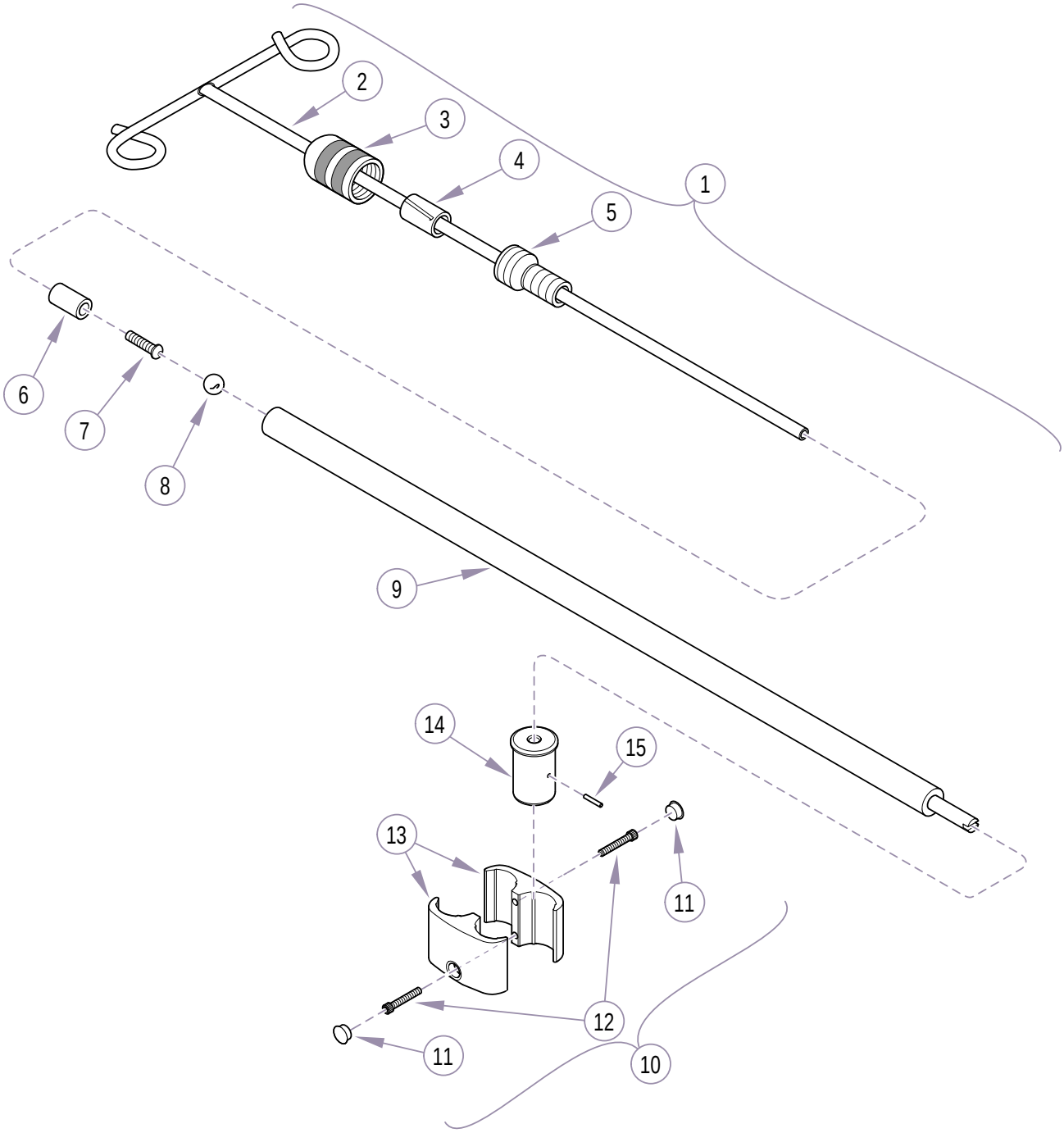

DA111300i

Item	Part No.	Description	Qty
	153686	I.V.Pole Accessory (complete)	1
1	029-2838-00	I.V. Pole (includes items 2 thru 9)	1
2	• 530-0326-00	• Rod Weldment	1
3	• K101037	• Collet Nut	1
4	• K101040	• Rod Bushing	1
5	• 557-0189-00	• Threaded Sleeve *(apply adhesive 042-0024-00)*	1
6	• 557-0187-00	• Stop	1
7	• 040-0250-00	• Screw *(apply adhesive 042-0025-00)*	1
8	• 553-0114-02	• Elastomer Spring	1
9	• 030-1393-00	• Pole Weldment	1
10	029-2647-01	I.V. Pole Clamp Mount Assy (includes items 11 thru 15)	1
11	• 120227	• Plug Button	2
12	• 121751	• Screw	2
13	• 122216-50	• Clamp	2
14	• 051-0933-00	• Mount Block	1
15	• 042-0011-07	• Roll Pin	1

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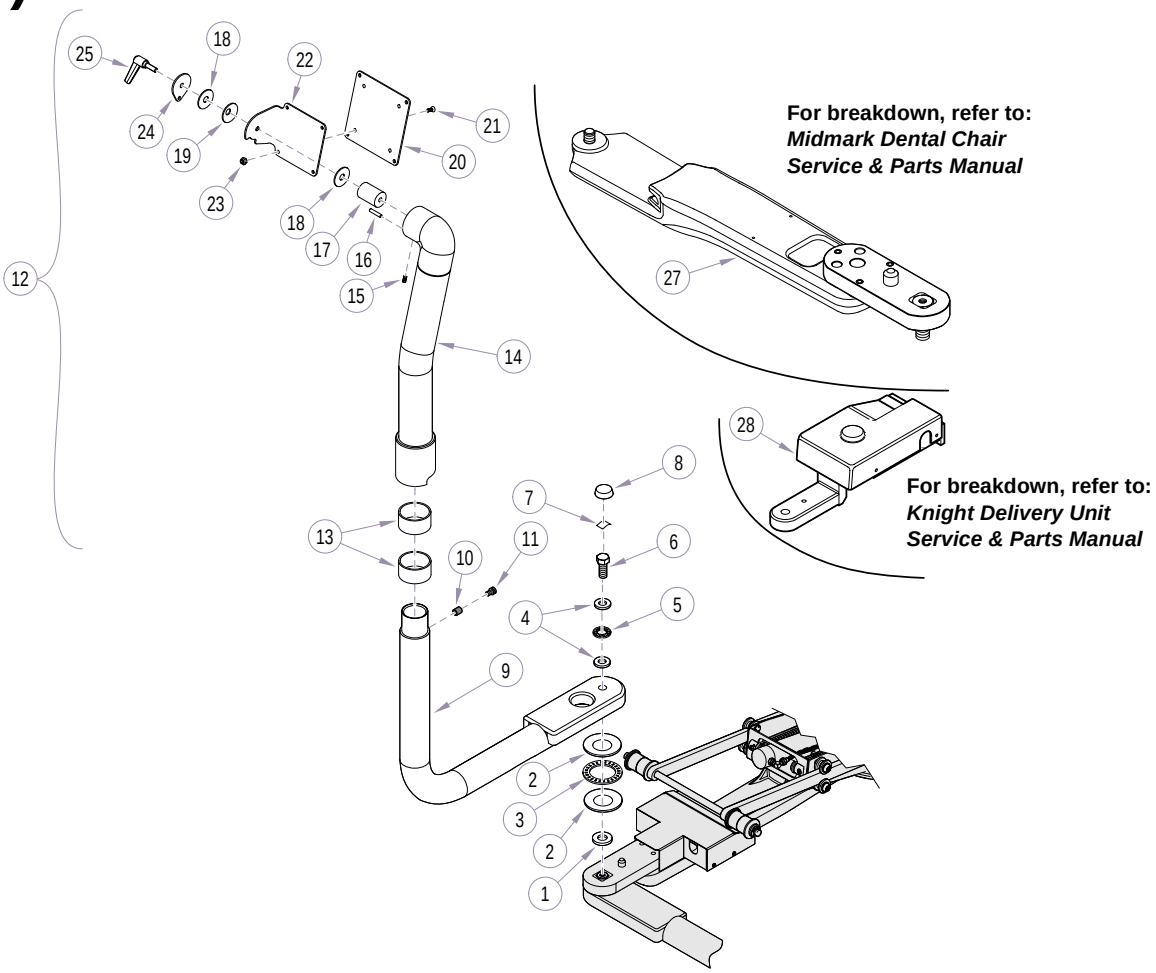
Monitor Support Arm - *LR Mounted* (153698)


For breakdown, refer to:
Midmark Dental Chair Service & Parts Manual
For breakdown, refer to:
Knight Delivery Unit Service & Parts Manual

DA116400i

Applies to units built before 3/22/03

Item	Part No.	Description	Qty
	153698-001	**Monitor Support Arm w/Midmark Chair Bracket** *(includes items 1 thru 27)*	1
	153698-002	**Monitor Support Arm w/Knight Chair Bracket** *(includes items 1 thru 26, & 28)*	1
1	• 050-5259-00	• Bearing Spacer *(Midmark chair only)*	1
2	• 016-0300-02	• Thrust Washer	2
3	• 016-0196-02	• Thrust Bearing	1
4	• 120712	• Thrust Washer	2
5	• 110207	• Thrust Bearing	1
6	• 040-0500-28	• Bolt	1
7	• 275184	• Double Sided Tape	AR
8	• 122595-01	• Bolt Cover	1
9	• n/a	• LR Monitor Support Arm *(must order 153698-00x)*	1
10	• 053-0404-07	• Neoprene Tubing	1
11	• 040-0010-129	• Screw	1
12	• 029-2991-00	• Upper Support Assembly *(includes items 13 thru 24)*	1
13	• • 016-0149-20	• • Iglide Bearing	2
14	• • 030-1424-x0	• • Upper Arm Support	1
15	• • 110790	• • Set Screw	1
16	• • 120740-6	• • Rod Glide Pin (apply adhesive #K906111)	1
17	• • 057-0732-00	• • Elbow Bushing	1
18	• • 053-1159-00	• • Thrust Washer	2
19	• • C5593	• • Spring Washer	1
20	• • 050-5550-x0	• • Adapter Plate	1
21	• • 121964	• • Screw	4
22	• • 050-5551-x0	• • Mounting Plate	1
23	• • 041-0010-02	• • Nylock Nut	4
24	• • 050-5552-x0	• • Stop Washer	1
25	• • 016-0126-03	• • Handle	1
26	• 003-1303-00	• Installation Guide (not shown)	1
27	• 029-2696-00	• Midmark Chair Mount Assy. (incl. install guide 003-1306-00)	1
28	• 029-3002-00	• Knight Chair Mount Assy. (incl. install guide 003-1307-00)	1

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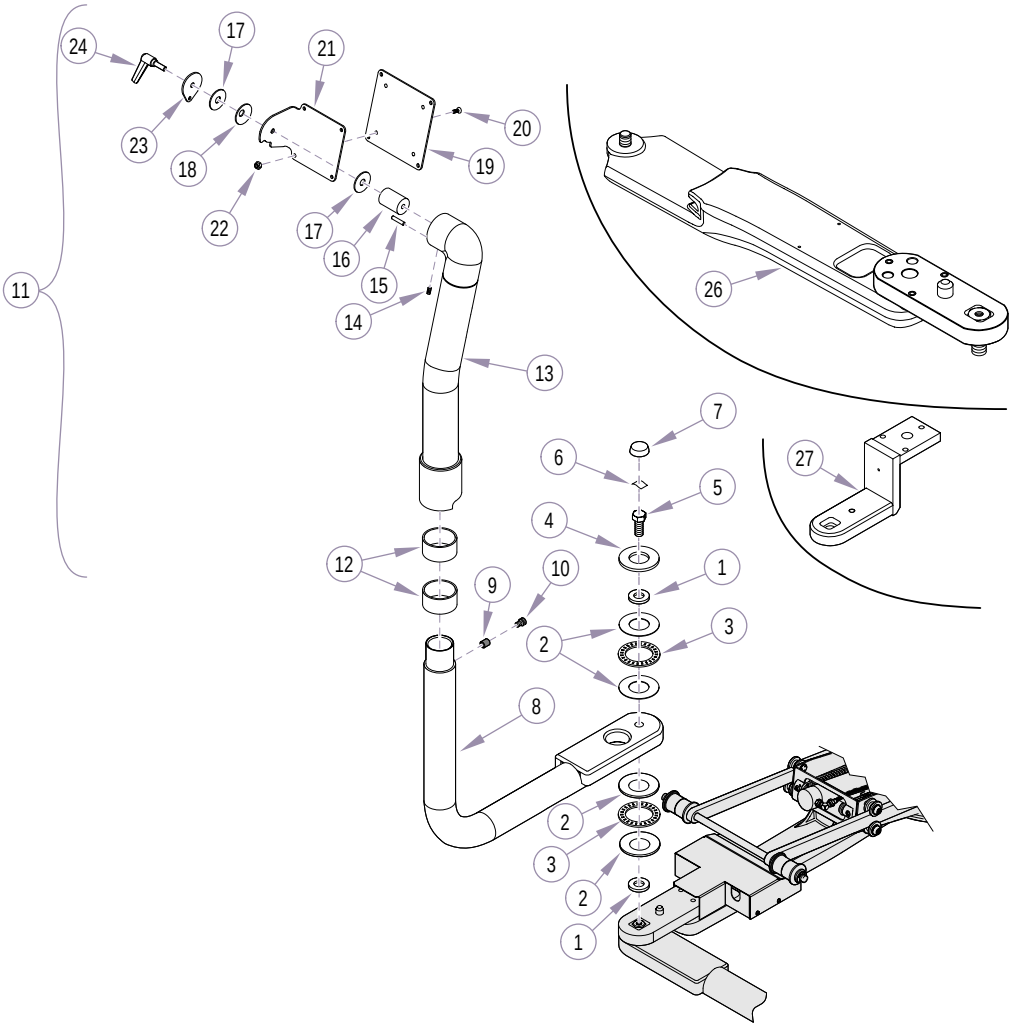
Monitor Support Arm - *LR Mounted* (153698)



DA1164001

Applies to units built after 3/22/03

Item	Part No.	Description	Qty
	153698-001	**Monitor Support Arm w/Midmark Chair Bracket** *(includes items 1 thru 26)*	1
	153698-002	**Monitor Support Arm w/Knight Chair Bracket** *(includes items 1 thru 25, & 27)*	1
1	• 050-5259-01	• Bearing Spacer *(small)*	2
2	• 016-0300-03	• Thrust Washer	2
3	• 016-0196-04	• Thrust Bearing	1
4	• 050-5259-02	• Bearing Spacer *(large)*	1
5	• 040-0500-29	• Bolt	1
6	• 275184	• Double Sided Tape	AR
7	• 053-1360-00	• Bolt Cover	1
8	• n/a	• LR Monitor Support Arm *(must order 153698-00x)*	1
9	• 053-1187-00	• Neoprene Tubing	1
10	• 040-0010-109	• Screw	1
11	• 029-2991-00	• Upper Support Assembly *(includes items 12 thru 23)*	1
12	• • 016-0149-20	• • Iglide Bearing	2
13	• • 030-1424-x0	• • Upper Arm Support	1
14	• • 110790	• • Set Screw	1
15	• • 120740-6	• • Rod Glide Pin (apply adhesive #K906111)	1
16	• • 057-0732-00	• • Elbow Bushing	1
17	• • 053-1159-00	• • Thrust Washer	2
18	• • C5593	• • Spring Washer	1
19	• • 050-5550-x0	• • Adapter Plate	1
20	• • 121964	• • Screw	4
21	• • 050-5551-x0	• • Mounting Plate	1
22	• • 041-0010-02	• • Nylock Nut	4
23	• • 050-5552-x0	• • Stop Washer	1
24	• • 016-0126-03	• • Handle	1
25	• 003-1303-00	• Installation Guide (not shown)	1
26	• 029-2696-00	• Midmark Chair Bracket Assy. *(incl. install guide 003-1306-00)*	1
27	• 029-3002-00	• Knight Chair Bracket Assy. *(incl. install guide 003-1307-00)*	1

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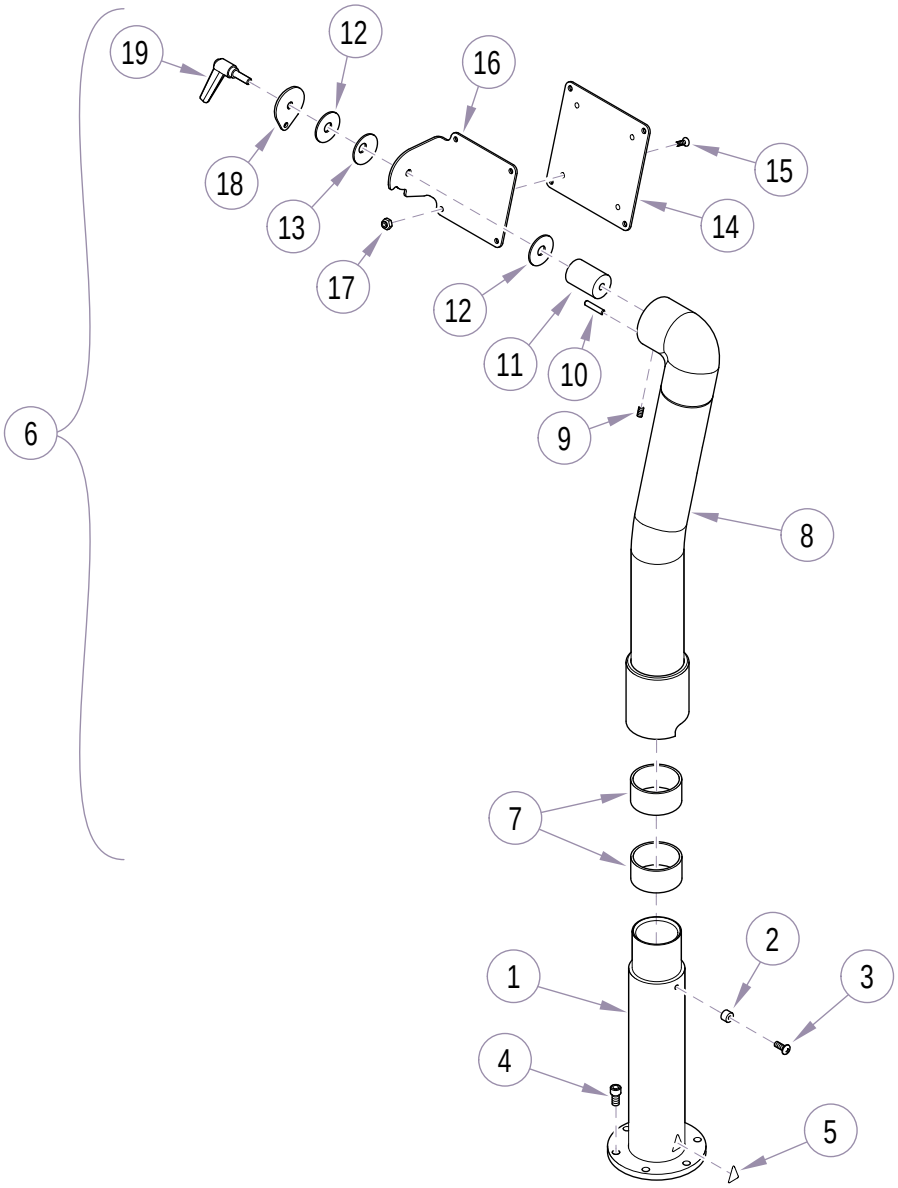
Monitor Support Arm - *Console Mounted* (153699)



DA116500i

Item	Part No.	Description	Qty
	153699	Monitor Support Arm - Console (incl. install guide 003-1303-00 & items 1 thru 19)	1
1	• 030-1426-x0	• Console Post	1
2	• 053-1187-00	• Neoprene Tubing	1
3	• 040-0010-109	• Screw	1
4	• 040-0250-07	• Screw	3
5	• 061-0654-00	• Caution Label	1
6	• 029-2991-00	• Upper Support Assembly (includes items 6 thru 19)	1
7	• • 016-0149-20	• • Iglide Bearing	2
8	• • 030-1424-x0	• • Upper Arm Support	1
9	• • 110790	• • Set Screw	1
10	• • 120740-6	• • Rod Glide Pin (apply adhesive #K906111)	1
11	• • 057-0732-00	• • Elbow Bushing	1
12	• • 053-1159-00	• • Thrust Washer	2
13	• • C5593	• • Spring Washer	1
14	• • 050-5550-x0	• • Adapter Plate	1
15	• • 121964	• • Screw	4
16	• • 050-5551-x0	• • Mounting Plate	1
17	• • 041-0010-02	• • Nylock Nut	4
18	• • 050-5552-x0	• • Stop Washer	1
19	• • 016-0126-03	• • Handle	1

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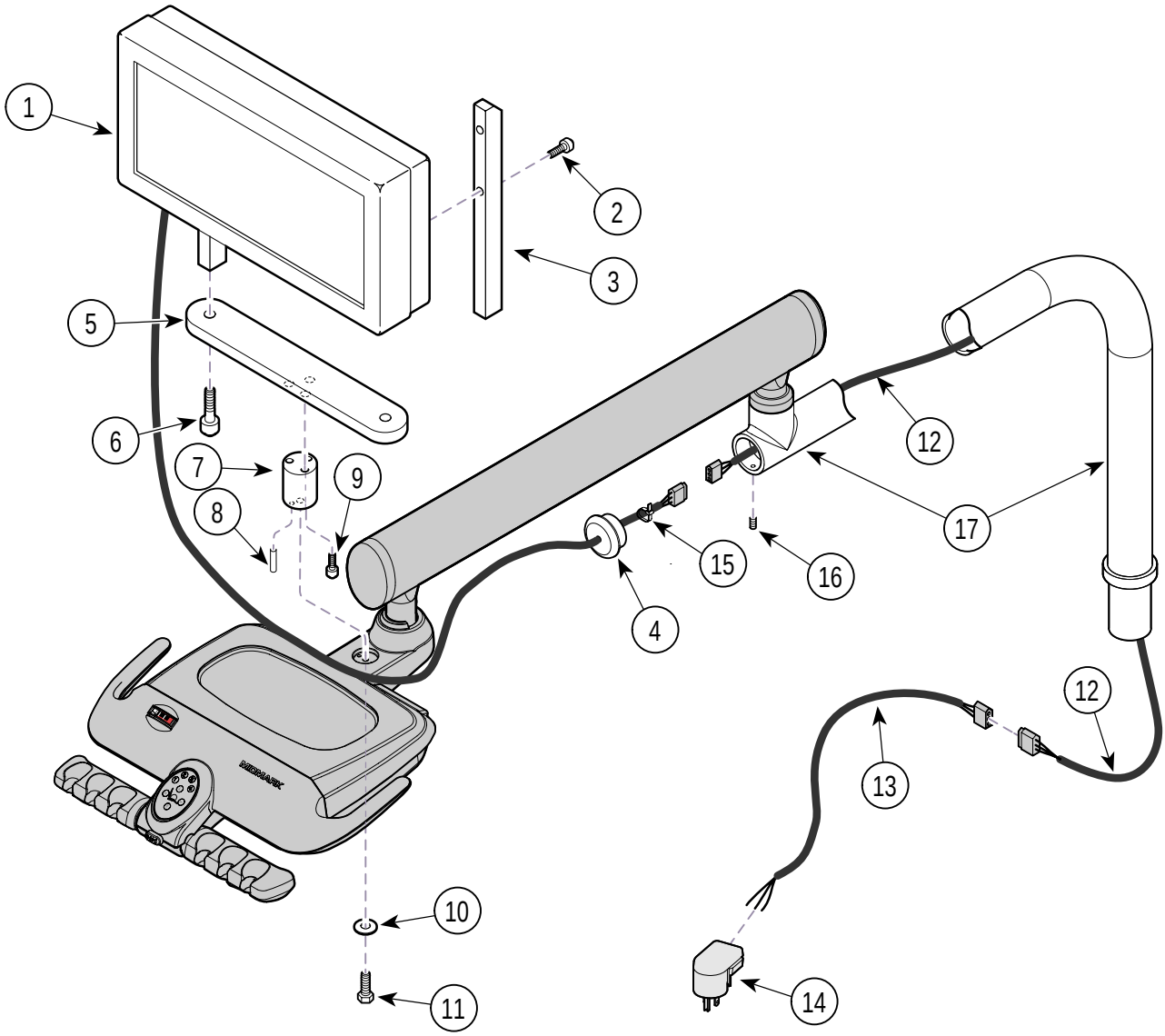
Unit Mounted X-Ray Viewer (153700)

ACCESSORY PARTS LIST



DA117300i

Item	Part No.	Description	Qty
	153700-00	110 V Midmark X-Ray Viewer Assembly (Includes items 1 thru 18)	1
	153700-01	220 V Midmark X-Ray Viewer Assembly (Includes items 1 thru 13 & 15 thru 18)	1
1	• 153152	• 110 V Viewer Assembly (Includes items 2, 3 & 4)]	1
	• 153152-01	• 220 V Viewer Assembly (Includes items 2, 3 & 4)]	1
2	• •119905	• •Screw	4
3	• • 121301-50	• • Mounting Post	2
4	• • 122631-50	• • Switch Mounting Cap	2
5	• 122076-50	• Bar Support	1
6	• 117558	• Screw	2
7	• 120964-50	• Tray Arm Spacer	1
8	• 120965	• Dowel Pin (Apply Loctite* #K906111)	1
9	• 120982	• Screw	3
10	• 118047	• Washer	1
11	• 108850	• Screw	1
12	• 153153	• Power Cable	1
13	• 015-1609-00	• Power Cable	1
14	• 110994	• Plug (110 V models only)	1
15	• 115896	• Cable Tie	1
16	• 108850	• Set Screw	1
17	• 030-1420-50	• X-Ray Viewer Tube Weldment	1
18	• TPW1800	• Installation Instructions (not shown)	1
19	122727	Butt Splice Terminal (not shown)	3

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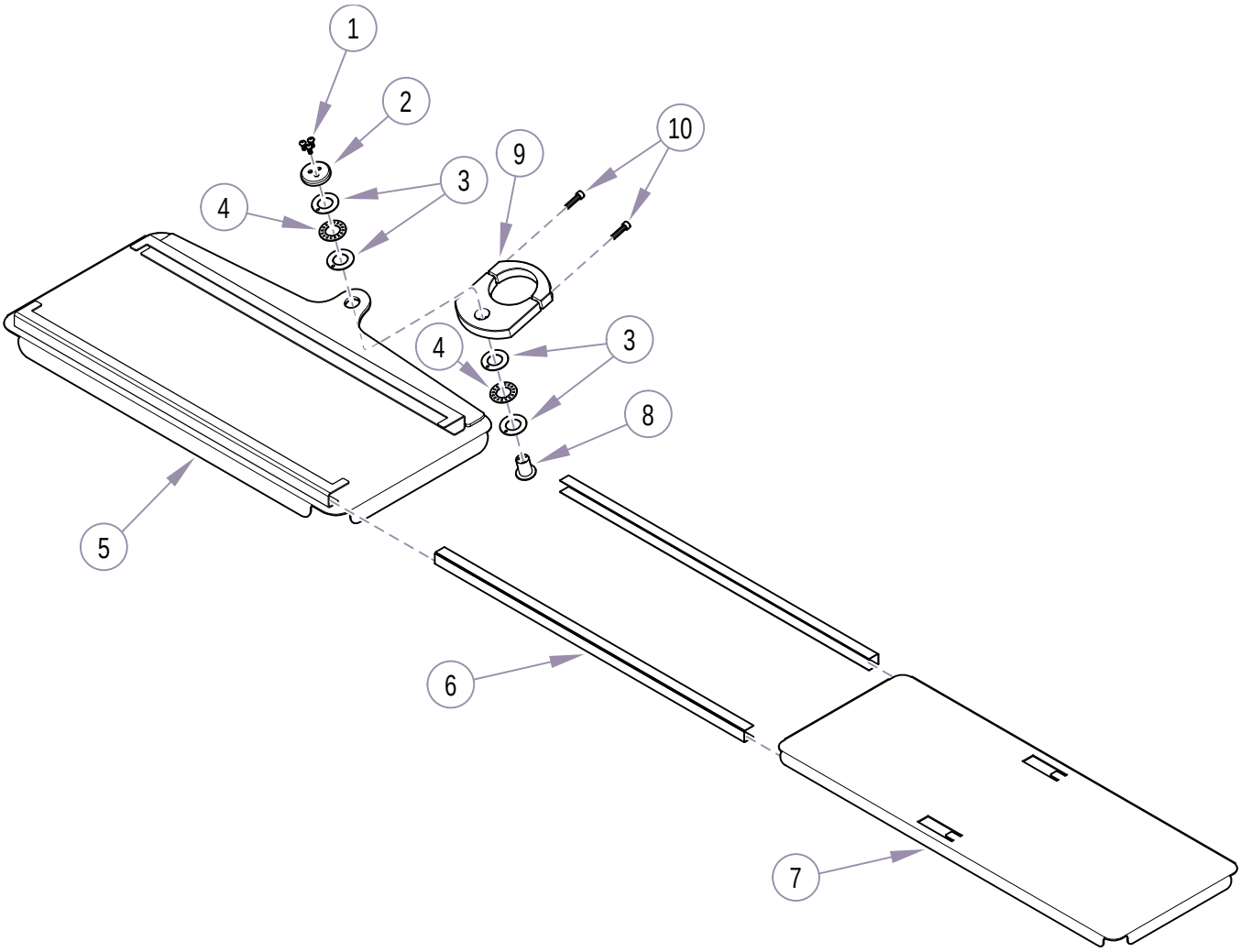
Keyboard Mount Assembly (153701)



DA120400i

Item	Part No.	Description	Qty
	153701	**Keyboard Mount Assembly** (includes items 1 thru 10)	1
1	• 120612	• Screw	3
2	• 120580-x0	• Bearing Cap	1
3	• 119458	• Thrust Washer	4
4	• 119462	• Thrust Bearing	2
5	• 030-1444-x0	• Keyboard Weldment	1
6	• 053-0018-01	• Nyl-O-Tape *(18in. lengths)*	6
7	• 050-5616-x0	• Mouse Platform	1
8	• 120962-01	• Pivot Pin	1
9	• 051-0959-51	• Tray Clamp (includes item 10)	1
10	• • 040-0010-132	• • Screw	2

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X-Ray Viewer (153702)

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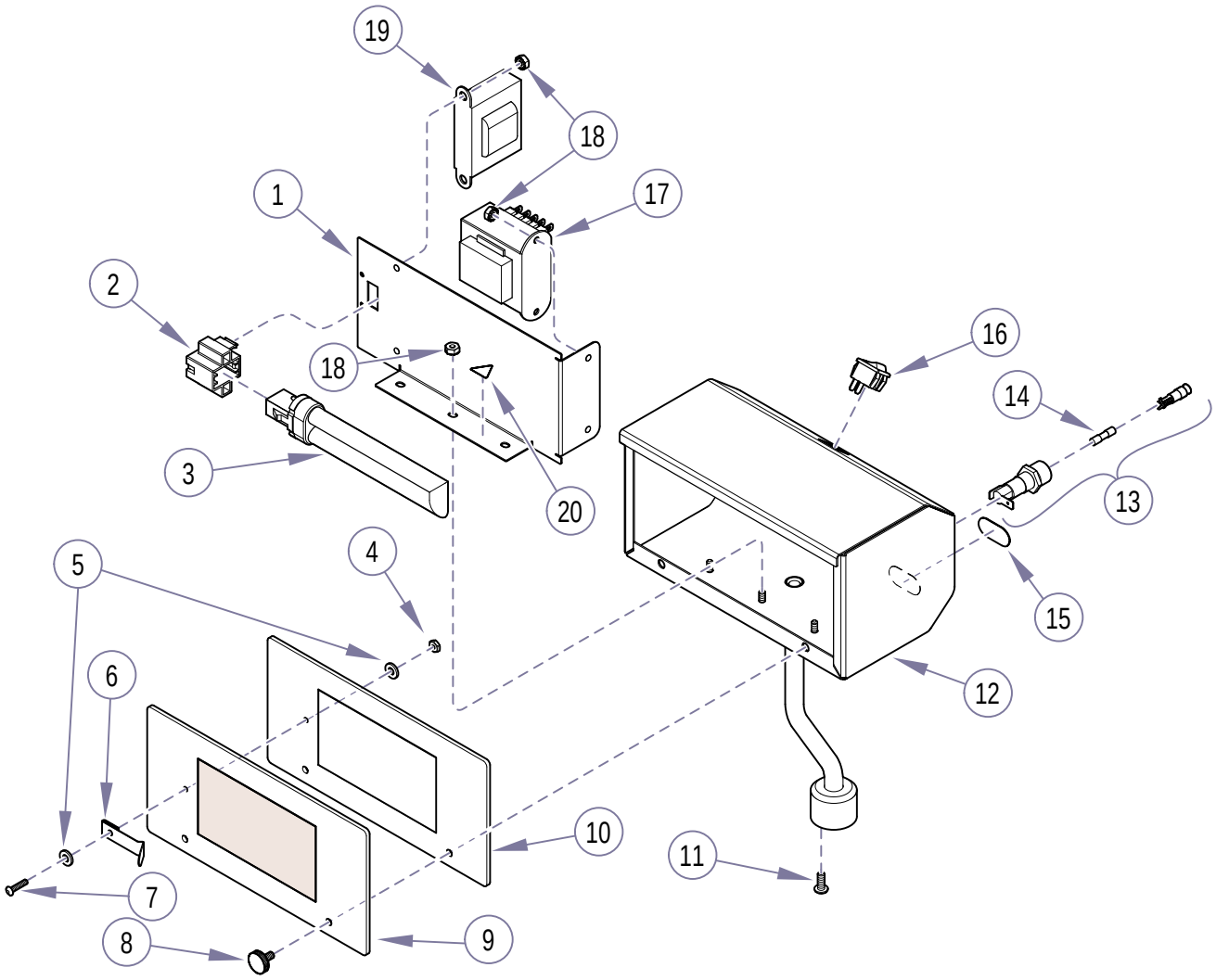

DA132300i

Item	Part No.	Description	Page
	153702-002	**Midmark X-Ray Viewer** *(incl. items 1 thru 17)*	
1	• 029-3028-00	• Inner Mount PEM Assembly	1
2	• 015-1649-00	• Bulb Holder	1
3	• 015-1648-00	• Bulb	1
4	• 041-0006-03	• Nut	1
5	• P1673	• Washer	2
6	• 058-0001-04	• Bag Clip	1
7	• 040-0006-86	• Screw	1
8	• 149730	• Thumbscrew	2
9	• 061-0866-00	• Viewing Screen Label	1
10	• 016-0950-00	• Viewing Screen	1
11	• 040-0010-144	• Screw	2
12	• 030-1456-50	• View Box Weldment	1
13	• 015-1259-03	• Fuse Holder	1
14	• 015-0346-34	• Fuse (2 amp, 250 V, Time-Delay)	1
15	• 061-0867-00	• Fuse Replacement Label	1
16	• 015-1086-00	• Rocker Switch	1
17	• 015-1659-00	• Transformer	1
18	• 122358	• Nut	7
19	• 029-3204-00	• Ballast	1
20	• 061-0654-00	• Caution Label	1

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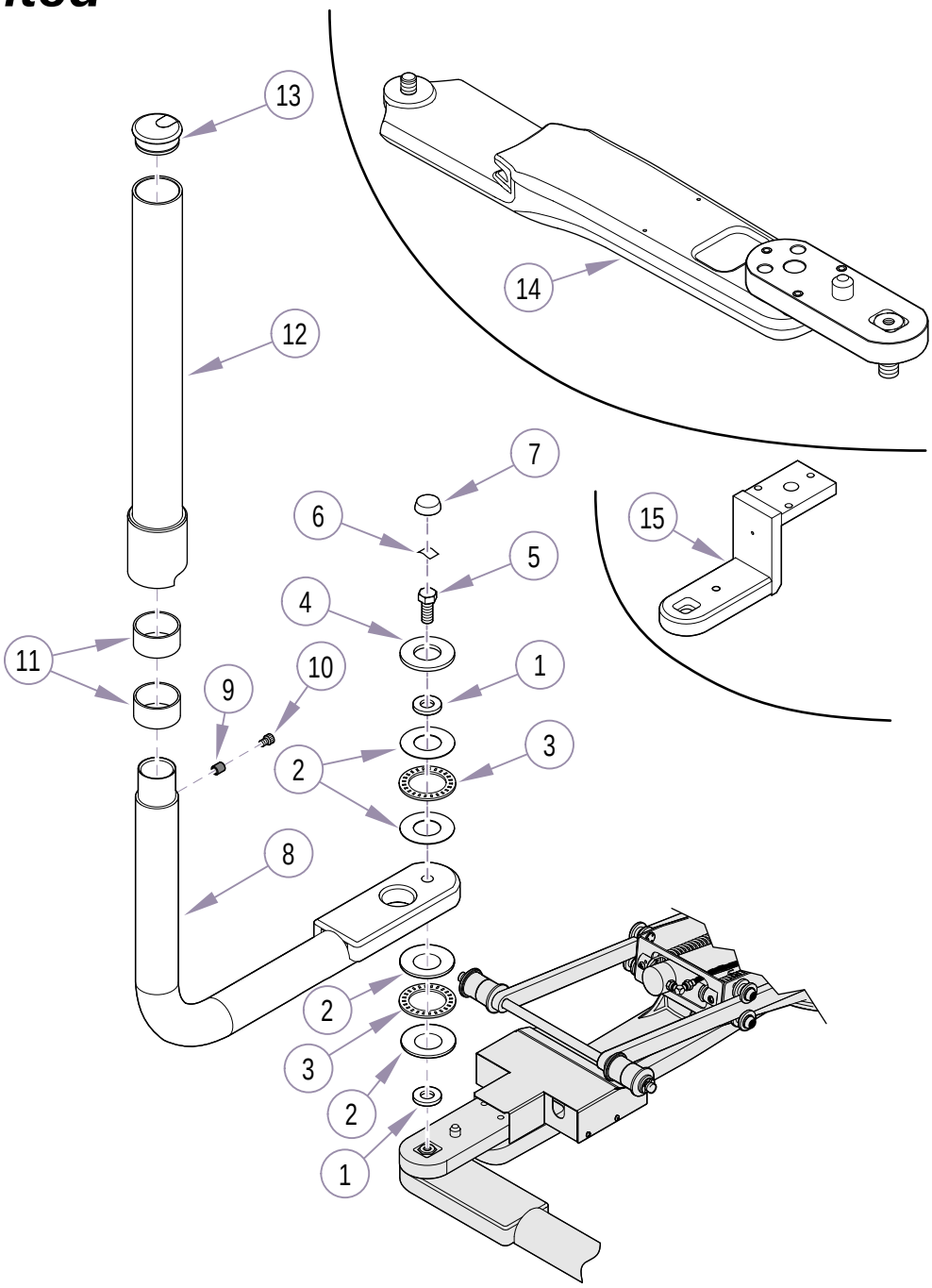
Monitor Support Arm w/o Mount - *LR Mounted* (153705)



DA143900i

Item	Part No.	Description	Qty
	153705-001	**Monitor Support Arm w/o Mount w/Midmark Chair Bracket** *(includes items 1 thru 26)*	1
	153705-002	**Monitor Support Arm w/o Mount w/Knight Chair Bracket** *(includes items 1 thru 25, & 27)*	1
1	• 050-5259-01	• Bearing Spacer *(small)*	2
2	• 016-0300-03	• Thrust Washer	2
3	• 016-0196-04	• Thrust Bearing	1
4	• 050-5259-02	• Bearing Spacer *(large)*	1
5	• 040-0500-29	• Bolt	1
6	• 275184	• Double Sided Tape	AR
7	• 053-1360-00	• Bolt Cover	1
8	• n/a	• LR Monitor Support Arm *(must order 153698-00x)*	1
9	• 053-1187-00	• Neoprene Tubing	1
10	• 040-0010-109	• Screw	1
11	• • 016-0149-20	• • Iglide Bearing	2
12	• • 030-1493-50	• • Upper Arm	1
13	• • 053-0452-02	• • Cap	1
14	• 029-2696-00	• Midmark Chair Bracket Assy. *(incl. install guide 003-1306-00)*	1
15	• 029-3002-00	• Knight Chair Bracket Assy. *(incl. install guide 003-1307-00)*	1

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FAX ORDERING FORM

(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT **OTHER** _____

UPS	FED EX
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY P.M.
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER

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